SANYO

SERVICE MANUAL

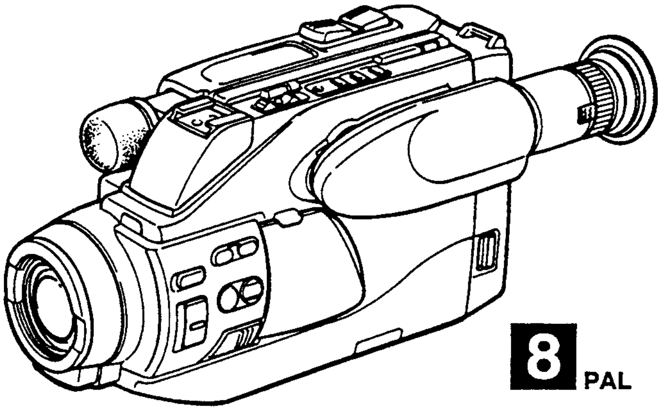
8 mm Camcorder

VM-RZ1P

(GERMANY, SWITZERLAND,
ITALY, U.K., SPAIN, MIDDLE
EAST, AUSTRALIA,)

VM-D9P

(U.K.)



8 PAL

Specifications

Television system	PAL, CCIR
Video recording system	Rotating 2-head helical-scan system
Audio recording system	Rotating head FM system
Cassette type	8 mm video cassette tape
Tape speed	SP : 20.051 mm/sec. LP : 10.025 mm/sec.
Recording/playback time	90 minutes (P5-90 cassette) SP mode 180 minutes (P5-90 cassette) LP mode
Fast forward/rewind time	Approx. 7 minutes (P5-90 cassette)
Pickup element	CCD solid-state type (320,000 pixels)
Viewfinder	Electric (0.6 inch type, black and white)
Lens	Electro powered 8×zoom lens f= 6 mm ~ 48 mm F1.8 Filter diameter : 37 mm
Focus	Full-range fuzzy logic auto-focus
White balance	Fuzzy logic auto white balance
Iris	Fuzzy logic auto iris
Minimum subject illumination	2 lux (Low light mode)
Subject illumination range	2 ~ 100,000 lux
Recommended subject illumination	300 lux or more (In normal mode, other modes such as Auto high speed shutter mode may need more light.)
Power supply voltage	DC input 6 V (battery pack) / 6.5 V (AC adaptor/charger)
Power consumption	5.6 W during camera recording
Operation	0 ℃ ~ 40 ℃ (32 °F ~ 104 °F)
Storage temperature range	− 20 ℃ ~ 60 ℃ (− 4 °F ~ 140 °F)
Dimensions (W) × (H) × (D)	116 × 118 × 259 mm
Weight	770 g (1.70 lb) approximate not including battery pack, cassette and grip belt
Microphone	Electret condenser type (omnidirectional)
Video terminal	Video output 1 Vp-p, 75 ohm unbalanced, negative sync
Audio terminal	Audio output − 7 dBs, 2.2 kohm or less
Earphone jack	Mini jack, for 8 ohm earphone

VM-RZ1P

PRODUCTION CODE No.

126 023 00	**(GERMANY)**
126 023 03	**(SWITZERLAND)**
126 023 05	**(MIDDLE EAST)**
126 023 06	**(ITALY)**
126 023 07	**(U.K.)**
126 023 08	**(AUSTRALIA)**
126 023 09	**(SPAIN)**

VM-D9P

PRODUCTION CODE No.

126 023 14	**(U.K.)**

- Specifications and external appearance are subject to change without notice.

ER18P/G, SW, I, E, SP, ME, A, EDX,

REFERENCE NO. WM-550187

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1. ABBREVIATIONS

(A)	A/D	Analog-To-Digital
	A. MUTE	Audio Mute
	A	Audio
	ACK	Automatic Chrominance Killer
	ADJ	Adjustment
	AE	Automatic Exposure
	AF	Auto-focus
	AFC	Automatic Frequency Control
	AFM	Audio Frequency Modulation
	AGC	Automatic Gain Control
	AMP	Amplifier
	ATF	Automatic Track Finding
	ATT	Attenuator
	AWB	Automatic White Balance
(B)	BLK	Blanking Pulse
	BPF	Band-pass Filter
	BRK	Brake
	BUF	Buffer Amplifier
(C)	C (CHROMA)	Chrominance Signal
	C. BLK	Composite Blanking
	C. FG	Capstan Frequency Generator
	C. SYNC	Composite Sync Signal
	CAM	Camera
	CAN	Cancel Parts
	CAR	Carrier Signal
	CCD	Charge Coupled Device
	CG	Character Generator
	CL	Checker Land
	CLP	Clamp Pulse
	COM	Common
	COMP	Composite
	CORRE	Correspond
	COUNT.	Counter
	CS	Chip Select
	CST	Cassette
(D)	D/A	Digital-to-Analog
	DAMP	Damping
	DEF	Deflection
	DET	Detector
	DFG	Drum Frequency Generator
	DOP	Drop Out Pulse
	DPG	Drum Pulse Generator
(E)	EAR	Earphone
	EP	Earphone
	E^{2}PROM	Electorical Erasable And Programmable Read Only Memory
(F)	F/R	Forward/Reverse
	FE	Flying Erase
	FEP	Flying Erase Pulse
	FF	Fast Forward
	FG	Frequency Generator
	FH	Frequency Horizontal
	FREQ	Frequency
	FSC	Frequency Sub Carrier
(G)	GND	Ground
(H)	H (HORIZ)	Horizontal
	HD	Horizontal Drive
	HHK	Half Horizontal Killer
	HHS	Half Horizontal Shift
	HPF	High-pass Filter
(I)	I/O	In/Out
	I	Current
	ID	Identity
	INT. REC	Interval Record
	INS	Insert
	INV	Inverter
	IR	Infrared Rays
	IRIS DET	Iris Detection Signal
(J)	JOG	Jogging
(L)	LI	Lithium Battery
	LIM	Limiter
	LP	Long Play
	LPF	Low-pass Filter
(M)	ME	Metal Evaporated
	MECHA	Mechanism
	MF	Manual Focus
	MIC	Microphone
	MOA	Main Operation Amplifier
	MONI	Monitor
	MP	Metal Particle
(N)	NC	Noise Canceler
	NT	NTSC System
(O)	OS	On Screen
	OSC	Oscillator
	OSD	On-screen Display
(P)	PB	Playback
	PG DOUB	Pulse Gate Doubler
	PI	Phase Invert
	PLL	Phase Locked Loop
	PS	Phase Shift
	PWM	Pulse Width Modulation
(R)	REC	Record
	REG	Regulator
	REV	Reverse
	REW	Rewind
(S)	S/S	Servo/System Control
	S. REEL	Supply Reel
	SCK	Serial Clock
	SI	Serial In
	SO	Serial Out
	SP	Standard Play
	STB	Strobe
	STBY	Stand By
	SW	Switch
(T)	T (TELE)	Telephoto
	T/E LED	Tape Top/Tape End LED
	T. REEL	Take-up Reel
	TC	Time Constant
	TP	Test Point
	TSB	Time Share B

(V)	V. CENTER	Video Center
	V. MUTE	Video Mute
	V (VERT)	Vertical
	V	Video
	VA	Video Audio
	VBLK	Video Blank
	VC	Video Character
	VCA	Voltage Controlled Amplifier
	VCXO	Voltage Controlled Crystal Oscillator
	VD	Vertical Drive
	VF	ViewFinder
	VR	Volume
	Vss	Voltage Super Source
(W)	WE	Weighting
	WIDE	Wide Angle
(X)	XO	Cristal Oscillator
	μP (UP)	Microprocessor
	γ	Gamma

2. LEADLESS COMPONENT

2-1. IDENTIFICATION

Leadless Transistors

The identification numbers for leadless transistors are indicated by a code on the surface, using one letter and one numeral, two letters, two letters and one numeral, two numerals, one letter and four numerals, or three letters and one numeral.

Code	Transistor Number	Code	Transistor Number
[Transistor]			
BD	2SB1121-T-P	X1	1MX1-T109
BR	2SB1218A-R-TX	ZR	2SD1819A-R-TX
BR	2SC4081-R-T106	5C	XP4601-TX
B7	2SB815-B7-TB	5H	XP4501-TX
CL	2SA1677-TL	5K	XP4401-TX
EY	2SC4398-TL	5L	XN5501-TW
FL	2SA1434-TB	ES6	2SA1745-6-TL
F5	2SC4399-5-TL	ES7	2SA1745-7-TL
L6	2SC4211-6-TL	101	FC101-TL
M6	2SA1622-6-TL	B1202	2SB1202-S-TL
S1	FMS1-T99	IMT1	IMT1-T110
[Digital Transistor]			
A5	FMA5-T99	7L	XN1113-TW
BL	2SA1676-TL	8C	UN5213-TX
BY	2SC4396-TL	16	DTA144EU-T106
G2	FMG2-T99	26	DTC144EU-T106
G8	FMG8-T99	86	DTC144WU-T106
6C	UN5113-TX	108	FC108-TL

Note: The codes of digital transistors show only the transistor numbers.

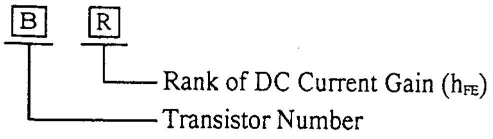
Identification With Two Letters

Use this code and the chart for component identification.

Letter	Transistor Number
B	2SB1218A

Example:

Code	Number
BR	2SB1218A-R


B
R
Rank of DC Current Gain (h_{FE})
Transistor Number

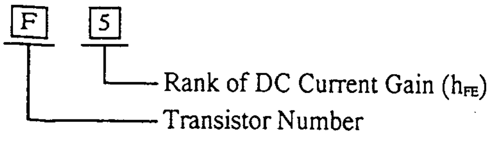
Identification With One Letter and One Numeral

Use this code and the chart for component identification.

Letter	Transistor Number
F	2SC4399

Example:

Code	Number
F5	2SC4399-5


F
5
Rank of DC Current Gain (h_{FE})
Transistor Number

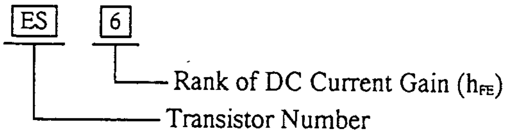
Identification With Two Letters and One Numeral

Use this code and the chart for component identification.

Letter	Transistor Number
ES	2SA1745

Example:

Code	Number
ES6	2SA1745-6


ES
6
Rank of DC Current Gain (h_{FE})
Transistor Number

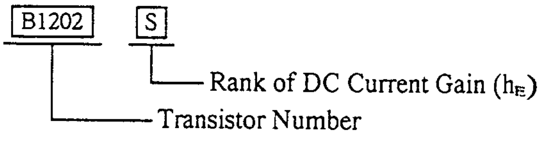
Identification With One Letter and Four Numerals

Use this code and the chart for component identification.

Letter	Transistor Number
B1202	2SB1202

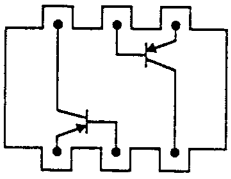
Example:

Code	Number
B1202S	2SB1202-S

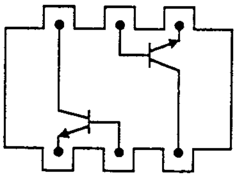

B1202
S
Rank of DC Current Gain (h_{FE})
Transistor Number

Leadless Transistors Internal Connection Circuit

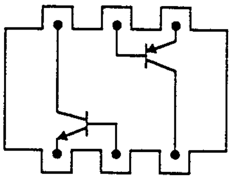
Code 101, IMT1, 5K



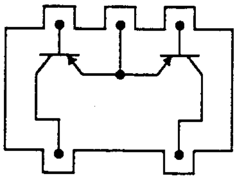
Code 5H



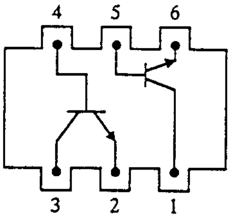
Code 5C



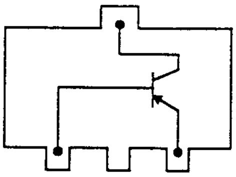
Code S1



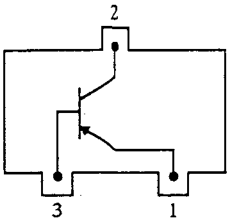
Code 5L



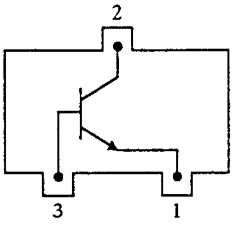
Code B1202, BD



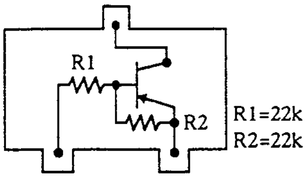
Code M6, ES6, ES7, B7, BR (2SB1218A), BL, FL



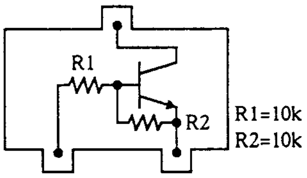
Code L6, ZR, F5, BR (2SC4081)



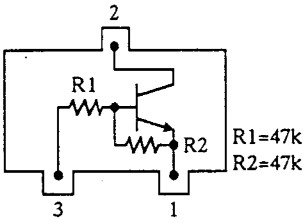
Code CL


R1
R2
R1=22k
R2=22k

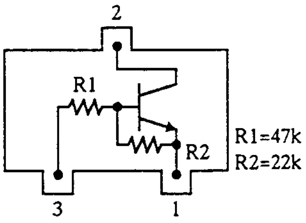
Code EY


R1
R2
R1=10k
R2=10k

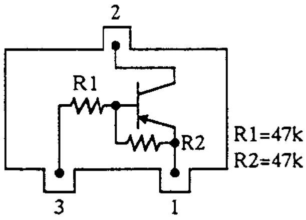
Code BY, 26, 8C


2
R1
R2
R1=47k
R2=47k
3
1

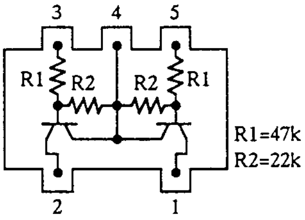
Code 86


2
R1
R2
R1=47k
R2=22k
3
1

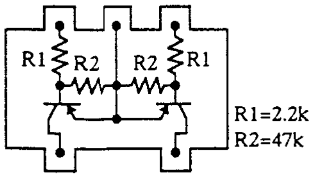
Code BL, 16


2
R1
R2
R1=47k
R2=47k
3
1

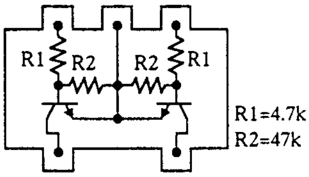
Code G2, 108


3
4
5
R1
R2
R2
R1
R1=47k
R2=22k
2
1

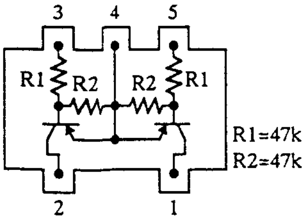
Code A5


R1
R2
R2
R1
R1=2.2k
R2=47k

Code G8


R1
R2
R2
R1
R1=4.7k
R2=47k

Code 7L


3
4
5
R1
R2
R2
R1
R1=47k
R2=47k
2
1

Leadless Diodes

The identification numbers for leadless diodes are indicated by a code on the surface, using one letter and one numeral, one letter, two letters, two letters and one numeral or three numerals.

Code	Diode Number	Code	Diode Number
B	SB05-05-CP-TB	MN	MA141WA-TX
N	DAN202U-T106	MT	MA141WK-TX
A2	DSH015-TL	NP	MA143A-TX
A4	DCF015-TL	M2B	MA123-(TW)
A6	DCG015-TL	M3H	MA721WA-TX
C3	1SS302-TE85L	8.2A	RD8.2M-T1BB2
MH	MA141K-TX	822	MA3082-M-TW

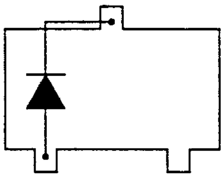
M3H: Schottky Barrier Diode

Note: The above diodes have the following internal block structures.

Example 1

The diodes that use the internal block structure shown below are as follows:

Code: B

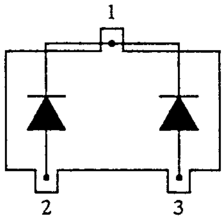


The internal block structure is viewed from the surface with the code.

Example 2

The diodes that use the internal block structure shown below are as follows:

Code: N, A6

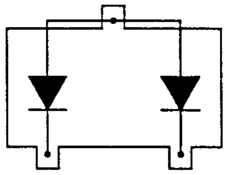


The internal block structure is viewed from the surface with the code.

Example 3

The diodes that use the internal block structure shown below are as follows:

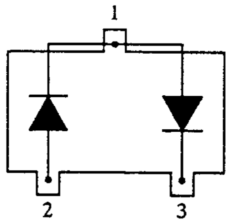
Code: A4



The internal block structure is viewed from the surface with the code.

Example 4

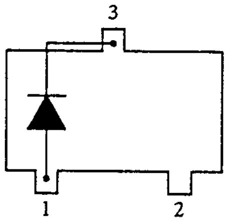
The diodes that use the internal block structure shown below are as follows:
Code: C3



The internal block structure is viewed from the surface with the code.

Example 5

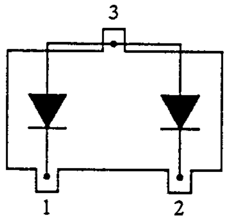
The diodes that use the internal block structure shown below are as follows:
Code: MH



The internal block structure is viewed from the surface with the code.

Example 6

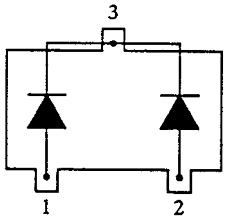
The diodes that use the internal block structure shown below are as follows:
Code: MN



The internal block structure is viewed from the surface with the code.

Example 7

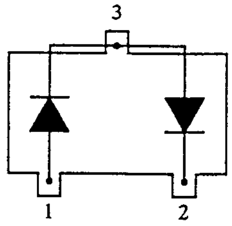
The diodes that use the internal block structure shown below are as follows:
Code: MT



The internal block structure is viewed from the surface with the code.

Example 8

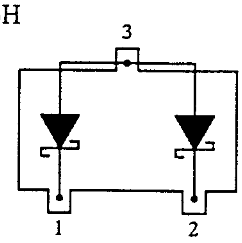
The diodes that use the internal block structure shown below are as follows:
Code: NP



The internal block structure is viewed from the surface with the code.

Example 9

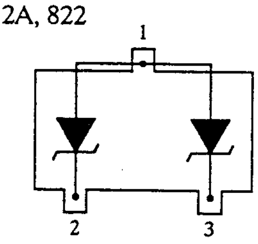
The diodes that use the internal block structure shown below are as follows:
Code: M3H



The internal block structure is viewed from the surface with the code.

Example 10

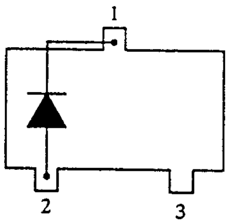
The diodes that use the internal block structure shown below are as follows:
Code: 8.2A, 822



The internal block structure is viewed from the surface with the code.

Example 11

The diodes that use the internal block structure shown below are as follows:
Code: A2



The internal block structure is viewed from the surface with the code.

Leadless Resistors

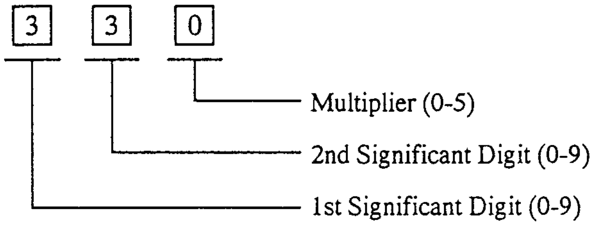
The resistor value is indicated on the surface of the component, using a three-digit number, or one letter and one numeral.

Identification for Three Digit Numbers

Read the code following the same procedure used as when reading the color code of a discrete resistor.

Example:

Code	Value
1R2	1 + 0.2= 1.2 ohms (R : Decimal point)
330	$33 \times 10^0 =$ 33 ohms
561	$56 \times 10^1 =$ 560 ohms
123	$12 \times 10^3 =$ 12 kohms

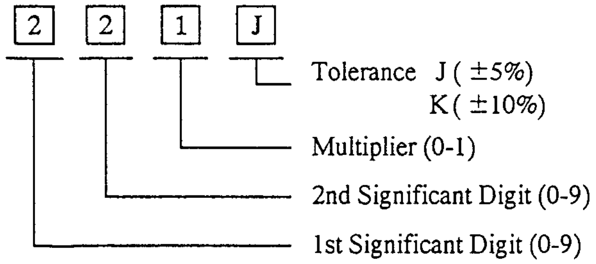

3
3
0
Multiplier (0-5)
2nd Significant Digit (0-9)
1st Significant Digit (0-9)

Leadless Coils

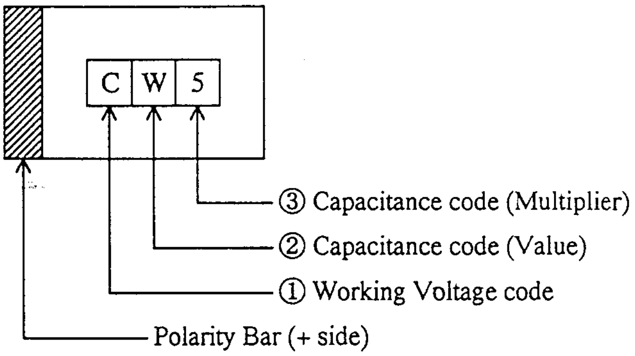
The coil value is indicated on the surface of the component, using three numerals and one letter, or two numerals and two letters.

Example:

Code	Value	
2R2J	2.2	μH
220J	22	μH
221J	220	μH


2
2
1
J
Tolerance J (±5%)
K(±10%)
Multiplier (0-1)
2nd Significant Digit (0-9)
1st Significant Digit (0-9)

Leadless Tantalum (1)


C
W
5
③ Capacitance code (Multiplier)
② Capacitance code (Value)
① Working Voltage code
Polarity Bar (+ side)

① W.V. code

Code	G	J	A	C	D	E	V
Working Voltage (V)	4	6.3	10	16	20	25	35

② Capacitance code (Value)

Code	A	E	J	N	S	W
Value	1	1.5	2.2	3.3	4.7	6.8

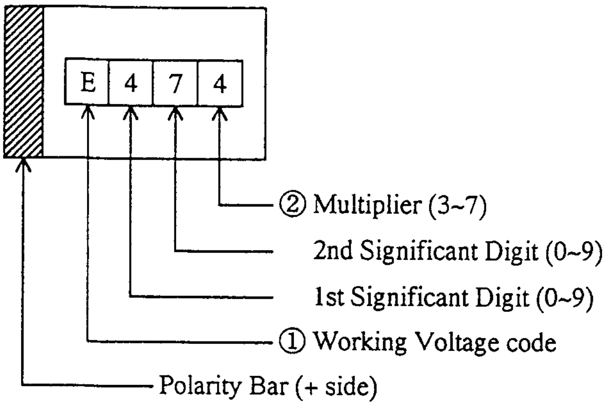
③ Capacitance code (Multiplier)

Code	5	6	7
Multiplier	10^5	10^6	10^7

Example:

Code	Value	
CW5	0.68 μF	16V
AJ6	2.2 μF	10V

Leadless Tantalum (2)


E
4
7
4
② Multiplier (3~7)
2nd Significant Digit (0~9)
1st Significant Digit (0~9)
① Working Voltage code
Polarity Bar (+ side)

① W.V. code

Code	G	J	A	C	D	E	V
Working Voltage (V)	4	6.3	10	16	20	25	35

② Capacitance code (Multiplier)

Code	3	4	5	6	7
Multiplier	10^3	10^4	10^5	10^6	10^7

Example:

Code	Value	
E474	0.47 μF	25V
C105	1.0 μF	16V
J335	3.3 μF	6.3V

2-2. REMOVAL

Replacement procedure for Leadless (Chip) Components

The following procedures are recommended for the replacement of the leadless components used in this unit.

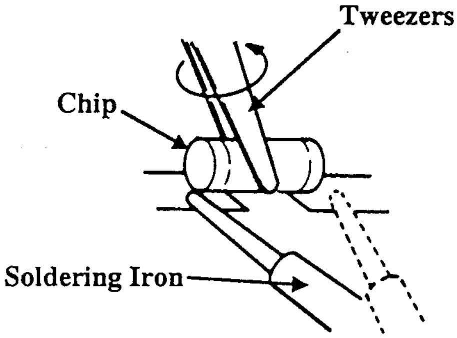
1. Preparation for replacement
   a. Soldering Iron
      Use a pencil-type soldering iron using less than 30 watts.
   b. Solder
      Eutectic Solder (Tin 63%, Lead 37%) is recommended.
   c. Soldering time
      Do not apply heat for more than 4 seconds.
   d. Preheating
      Leadless capacitor must be preheated before installation. (130 ℃ ~150 ℃, for about two minutes.)

Note: a. Leadless components must not be reused after removal.
b. Excessive mechanical stress and rubbing of the component electrode must be avoided.

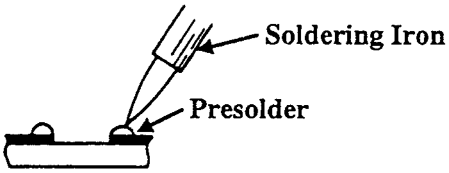
2. Removing leadless components

Grasp the leadless component body with tweezers and alternately apply heat to both electrodes. When the solder on both electrodes is melted, remove the leadless component with a twisting motion.

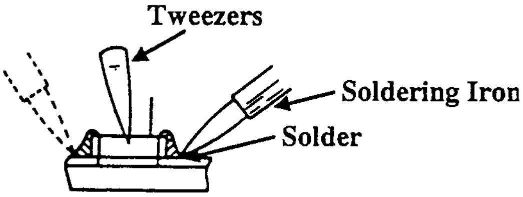
Note: a. Do not attempt to lift the component off the board until the component is completely disconnected from the board by a twisting action.
b. Take care not to break the copper foil on the printed board.



3. Installing leadless components
   a. Presolder the contact points of the circuit board.



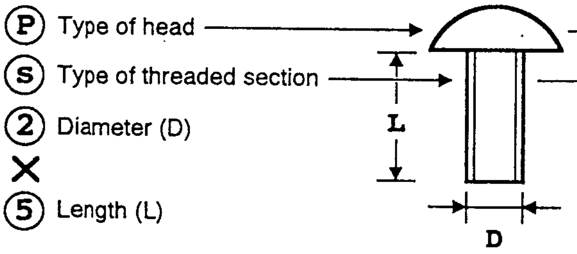
   b. Press the part downward with tweezers and solder both electrodes as shown below.



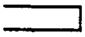
Note: Do not glue the replacement leadless component to the circuit board.

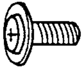
3. DISASSEMBLY

3-1. SCREW/WASHER IDENTIFICATION

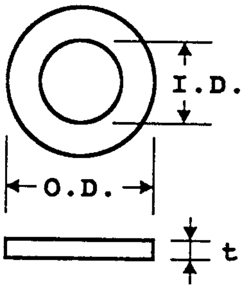


Abbreviation	Name	Shape
No symbol	Special type	
P	Pan head	
B	Binding head	
F	Flat contersunk head	

Abbreviation	Name	Shape
No symbol	Machine screw	
s	Forming tight (for metal)	
p	Forming tight (for plastic)	

Symbol No.	Configuration (Color)	Dimension (mm)
101	(BLACK)	Ps 1.7 × 4
102	(BLACK)	Pp 1.7 × 6
103	(BLACK)	P 2 × 4
104	(BLACK)	Pp 2 × 5
105	(BLACK)	P 2 × 6
106	(BLACK)	Pp 2 × 8
107		p 2 × 5
108		Bp 2 × 14
109	(BLACK)	Fp 1.7 × 5
110	(SILVER)	Pp 1.7 × 4
111	(BLACK)	2 × 5
112		1.4 × 2.5
113	(SILVER)	1.4 × 1.6
114		1.2 × 2
115	(BLACK)	1.4 × 3
116		2 × 5
117	(SILVER)	2 × 5
118		
119		

[Washer Classification]

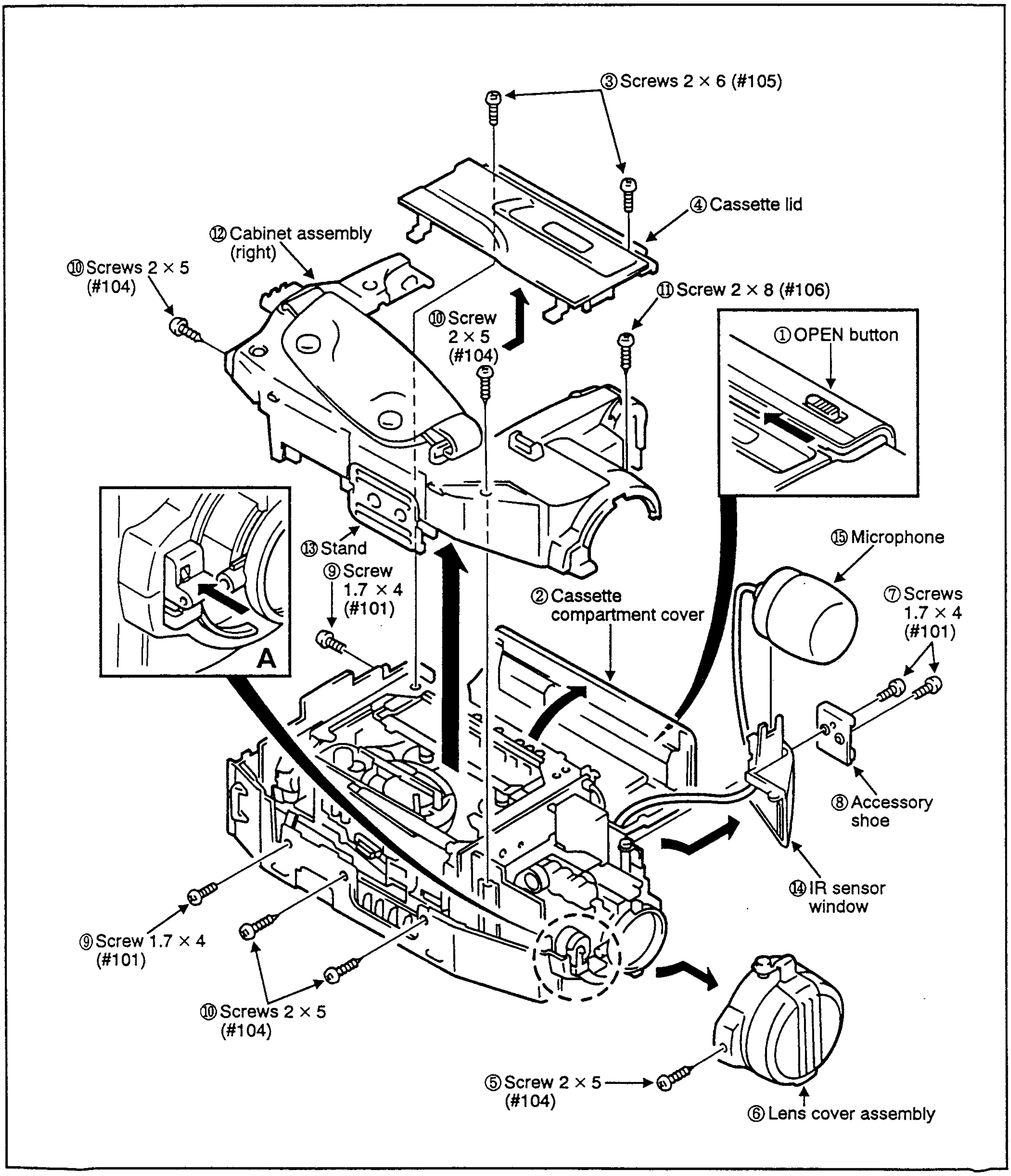


Symbol No.	Configuration	Dimension (mm)
131		O.D.: 3.0 I.D.: 1.28 t: 0.3
132		O.D.: 4.0 I.D.: 1.6 t: 0.4
133		O.D.: 2.3 I.D.: 1.0 t: 0.25
134		O.D.: 2.5 I.D.: 0.8 t: 0.25
135		O.D.: 8.0 I.D.: 5.2 t: 0.13

Note:
Symbol No. 101 ~ 107: For cabinet
Symbol No. 108 ~ 110: For camera block
Symbol No. 111 ~ 117: For mechanism
Symbol No. 131 ~ 135: For mechanism

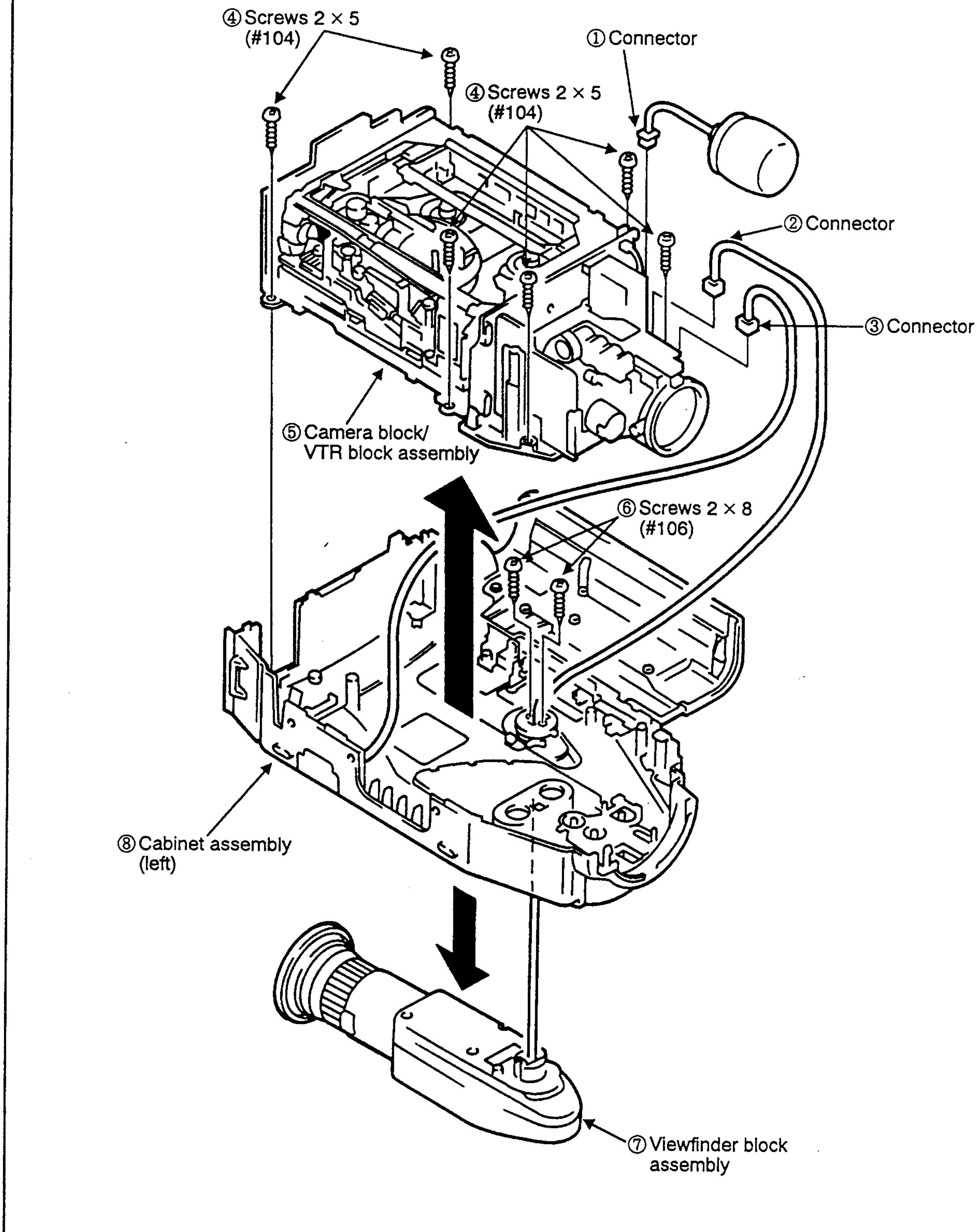
3-2. REMOVAL OF CASSETTE LID AND CABINET ASSEMBLY (RIGHT)

1. Slide the OPEN button ① in the direction of the arrow and fully open the cassette compartment cover ②.
2. Remove the two screws ③, then remove the cassette lid ④.
3. Remove the screw ⑤, then remove the lens cover assembly ⑥.
4. Remove the two screws ⑦, then remove the accessory shoe ⑧.
5. Remove the seven screws ⑨, ⑩ and ⑪, then while pressing on point A remove the cabinet assembly (right) ⑫ and stand ⑬.
6. Remove the IR sensor window ⑭ and the microphone ⑮ from the cabinet assembly (right).


③Screws 2 × 6 (#105)
④Cassette lid
⑫Cabinet assembly (right)
⑩Screws 2 × 5 (#104)
⑩Screw 2 × 5 (#104)
⑪Screw 2 × 8 (#106)
①OPEN button
⑮Microphone
⑬Stand
⑨Screw 1.7 × 4 (#101)
②Cassette compartment cover
⑦Screws 1.7 × 4 (#101)
A
⑧Accessory shoe
⑭IR sensor window
⑨Screw 1.7 × 4 (#101)
⑩Screws 2 × 5 (#104)
⑤Screw 2 × 5 (#104)
⑥Lens cover assembly

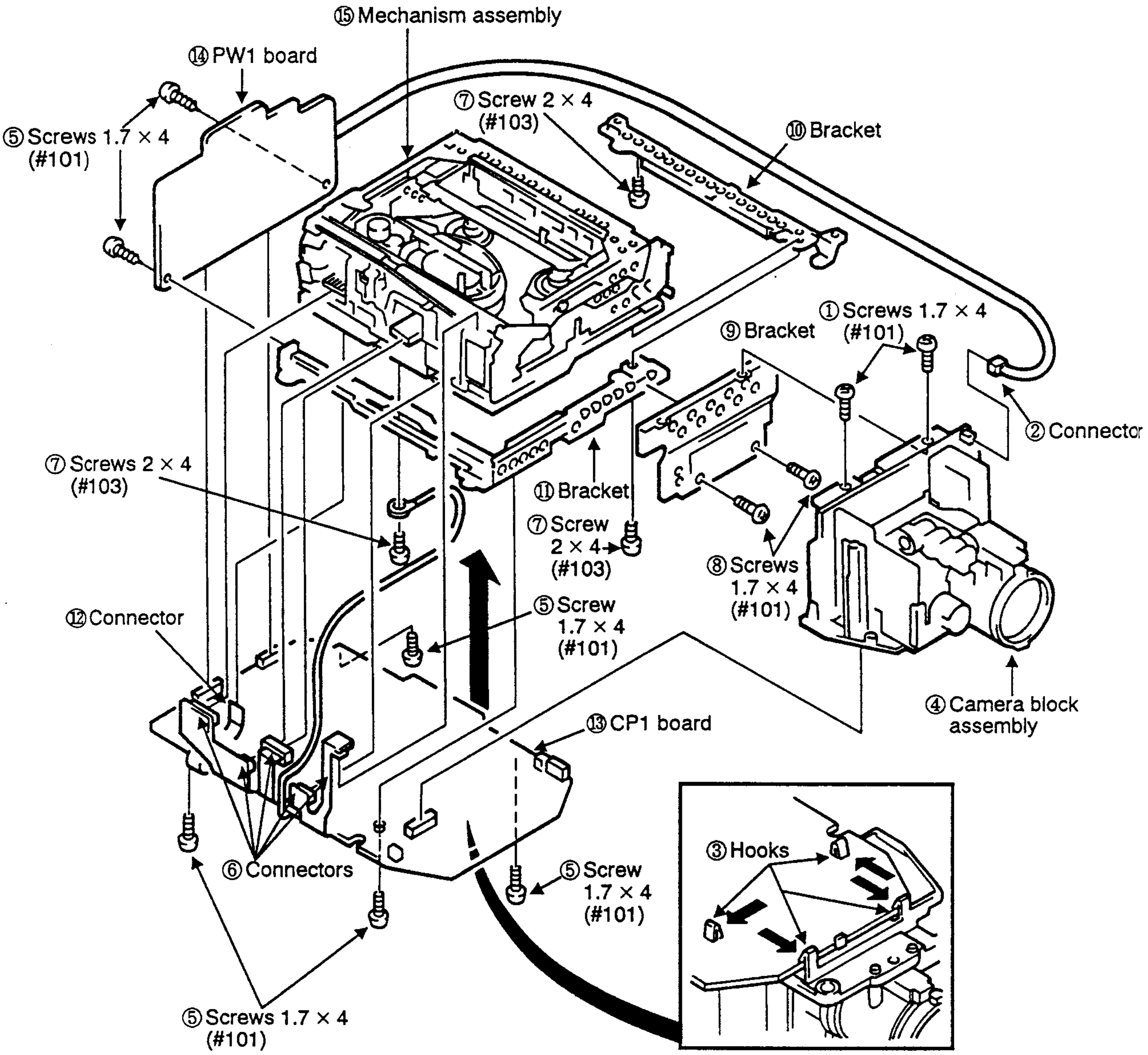
3-3. REMOVAL OF CAMERA BLOCK/VTR BLOCK ASSEMBLY AND CABINET ASSEMBLY (LEFT)

1. Remove the three connectors ① (from microphone), ② (from viewfinder) and ③ (from lithium battery).
2. Remove the six screws ④ , then remove the camera block/VTR block assembly ⑤.
3. Remove the two screws ⑥ , then remove the viewfinder block assembly ⑦.


④Screws 2 × 5
(#104)
①Connector
④Screws 2 × 5
(#104)
②Connector
③Connector
⑤Camera block/
VTR block assembly
⑥Screws 2 × 8
(#106)
⑧Cabinet assembly
(left)
⑦Viewfinder block
assembly

3-4. REMOVAL OF CAMERA BLOCK ASSEMBLY AND MECHANISM ASSEMBLY

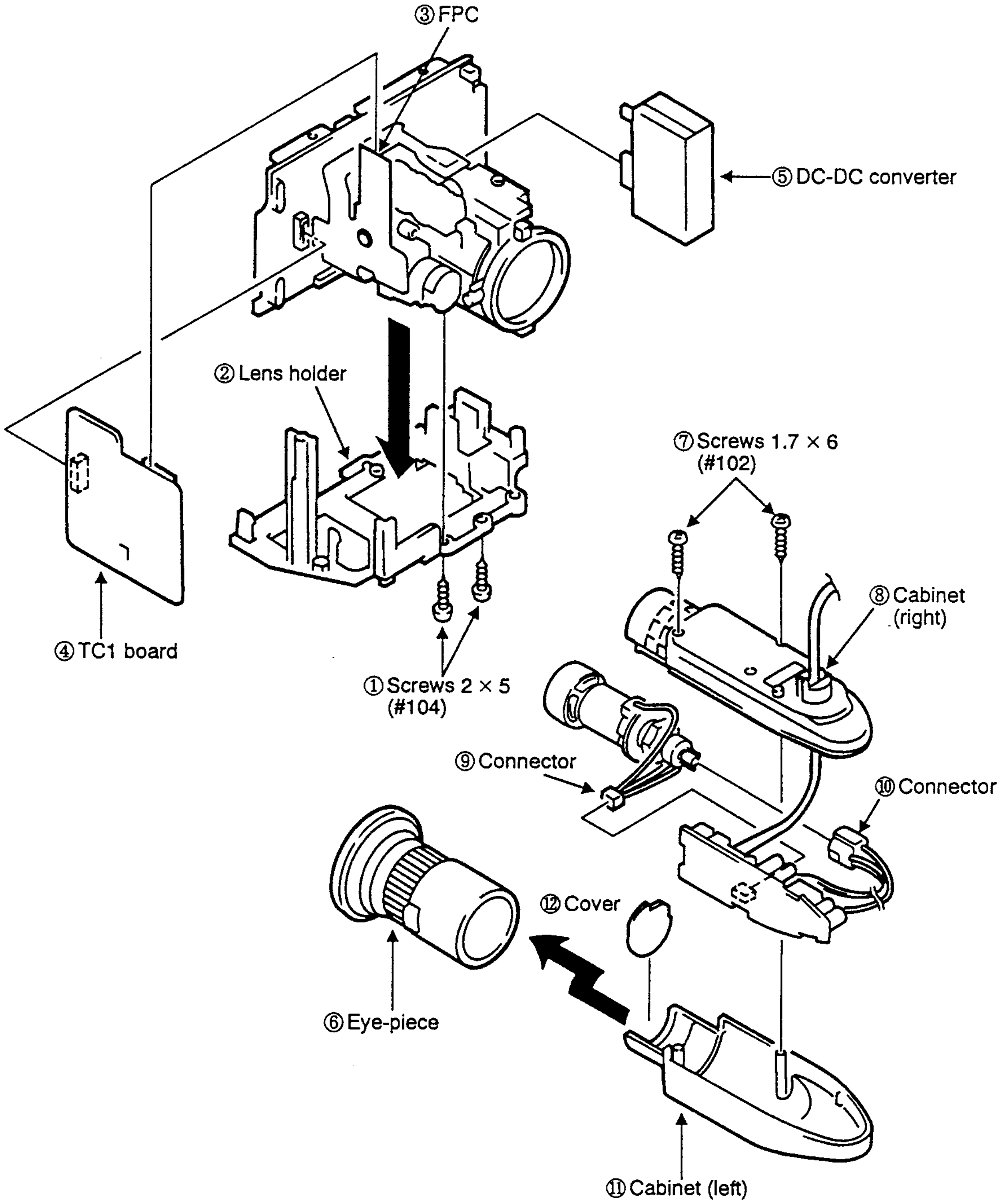
1. Remove the two screws ① and connector ②, then while pushing the hooks ③ in the direction of the arrows remove the camera block assembly ④.
2. Remove the six screws ⑤. (Leave the CP1 and PW1 board connected for adjustments or continue with step 3. for disassembly.)
3. Remove the five connectors ⑥.
4. Remove the five screws ⑦ and ⑧, then remove the three brackets ⑨, ⑩ and ⑪.
5. Remove the connector ⑫, then remove the CP1 board ⑬, PW1 board ⑭ and the mechanism assembly ⑮.


⑮ Mechanism assembly
⑭ PW1 board
⑤ Screws 1.7 × 4 (#101)
⑦ Screw 2 × 4 (#103)
⑩ Bracket
① Screws 1.7 × 4 (#101)
⑨ Bracket
② Connector
⑦ Screws 2 × 4 (#103)
⑪ Bracket
⑦ Screw 2 × 4 (#103)
⑧ Screws 1.7 × 4 (#101)
⑤ Screw 1.7 × 4 (#101)
⑫ Connector
④ Camera block assembly
⑬ CP1 board
③ Hooks
⑥ Connectors
⑤ Screw 1.7 × 4 (#101)
⑤ Screws 1.7 × 4 (#101)

3-5. REMOVAL OF CA1 BOARD, TC1 BOARD AND VIEWFINDER

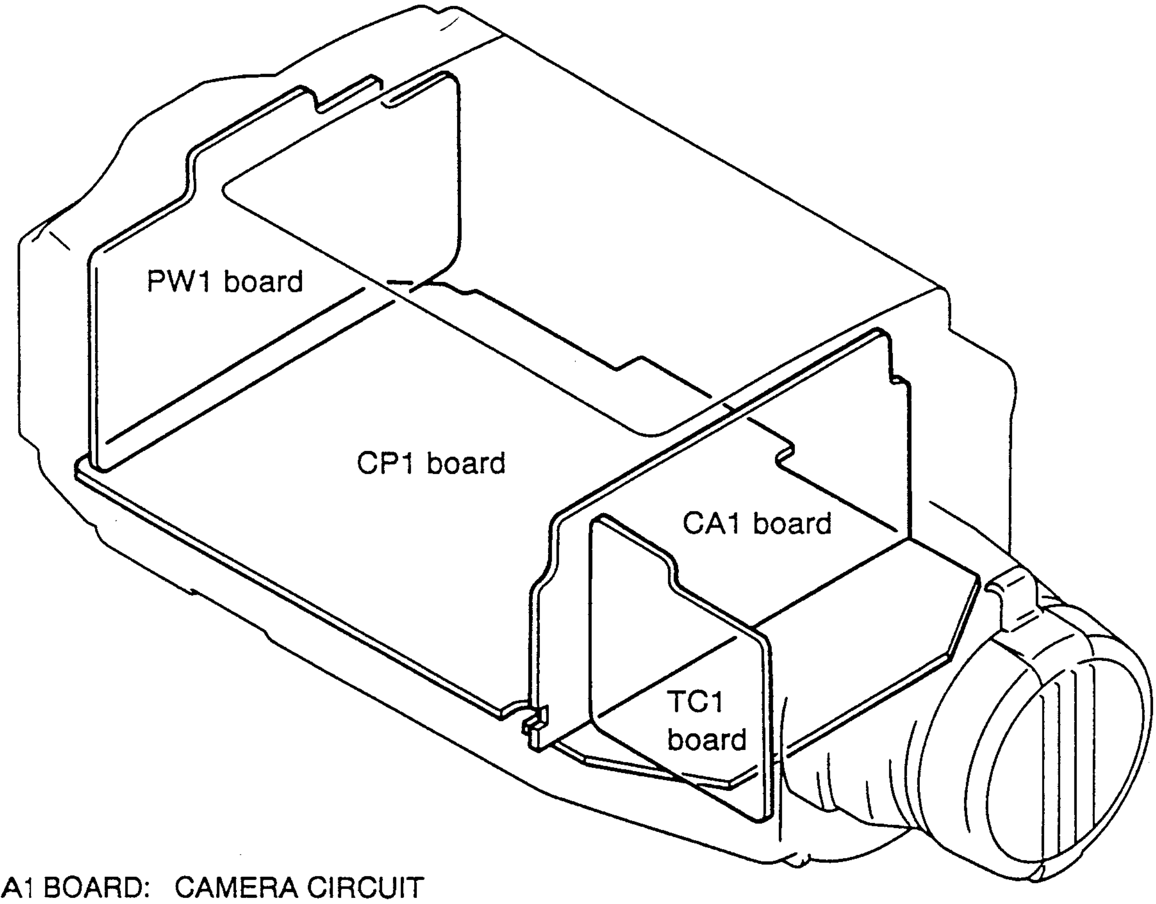
1. Remove the two screws ①, then remove the lens holder ②.
2. Remove the FPC ③, then remove the TC1 board ④.
3. Remove the DC-DC converter ⑤.
4. Fully pull out the eye-piece ⑥, then push it back slightly. Turn it towards the left (in the direction of the arrow), then remove it.
5. Remove the two screws ⑦, then remove the cabinet (right) ⑧ of the viewfinder.
6. Remove the two connectors ⑨ and ⑩, then separate the viewfinder board section.

Note: For detailled information on how to remove the components, please refer to the **"Parts List"** manual.


③FPC
⑤DC-DC converter
②Lens holder
⑦Screws 1.7 × 6
(#102)
⑧Cabinet
(right)
④TC1 board
①Screws 2 × 5
(#104)
⑨Connector
⑩Connector
⑫Cover
⑥Eye-piece
⑪Cabinet (left)

4. BLOCK DIAGRAM

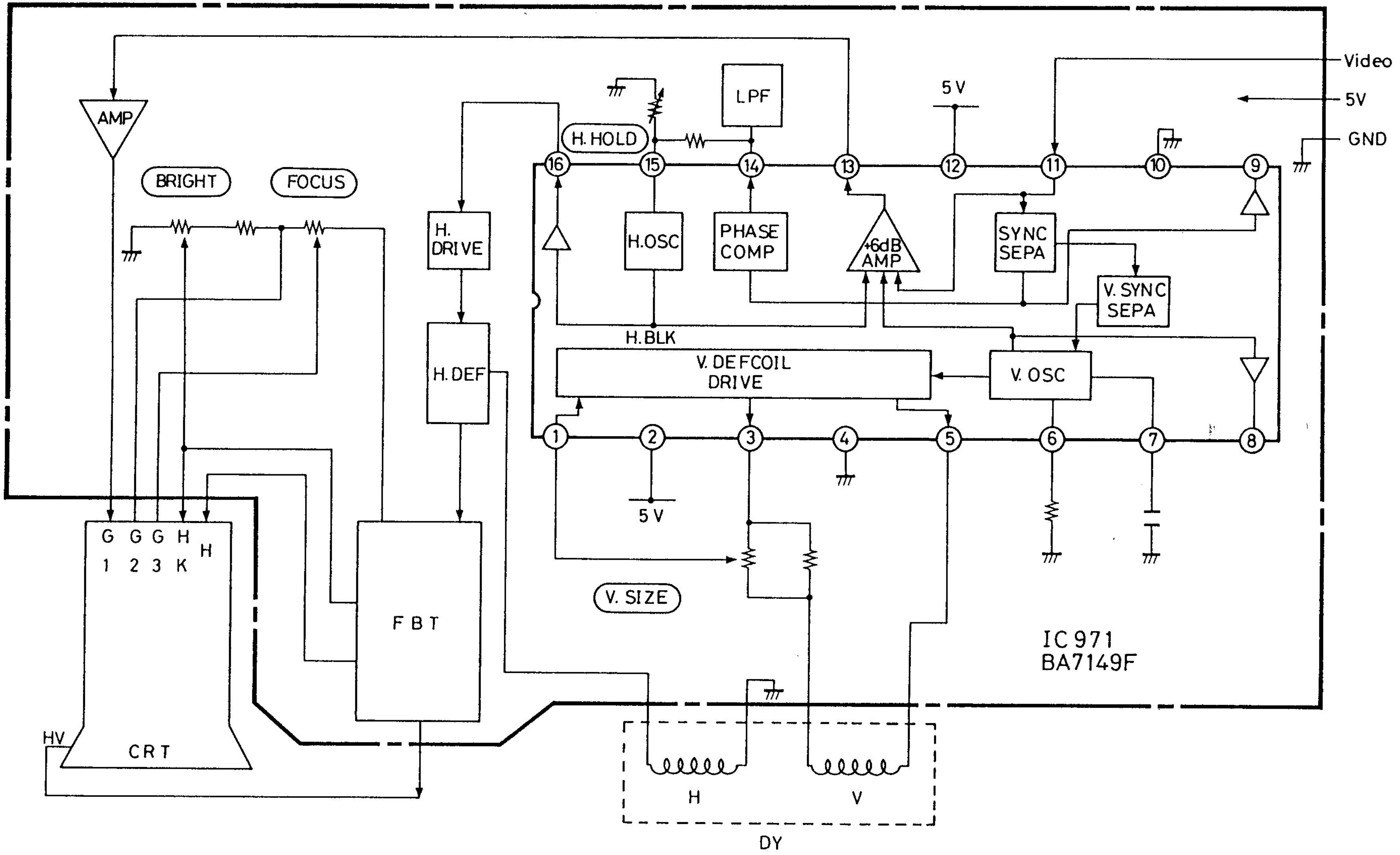
4-1. BOARD LOCATION


PW1 board
CP1 board
CA1 board
TC1 board

CA1 BOARD: CAMERA CIRCUIT
TC1 BOARD: CAMERA FEATURE CIRCUIT
CP1 BOARD: SERVO/SYSTEM CONTROL CIRCUIT, VIDEO CIRCUIT & AUDIO CIRCUIT
PW1 BOARD: POWER CIRCUIT
VF1 BOARD: VIEWFINDER CIRCUIT (in the viewfinder assembly)

4-6. VIEWFINDER BLOCK DIAGRAM

VIEWFINDER 1 (VF 1) BOARD


Video
5V
GND
AMP
BRIGHT
FOCUS
H. DRIVE
H. DEF
H. HOLD
LPF
H.OSC
PHASE COMP
+6dB AMP
5 V
SYNC SEPA
V. SYNC SEPA
H.BLK
V. DEFCOIL DRIVE
V. OSC
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
5 V
G 1
G 2
G 3
H K
H
FBT
V. SIZE
IC 971
BA7149F
HV
CRT
H
V
DY

5. ELECTRICAL ADJUSTMENT

1. CAMERA BLOCK ADJUSTMENT

1-1. TABLE FOR SERVICING TOOLS

Ref. No	Name	Part code
J-1	Color viewer 5,100K	VJ8-0007
J-2	Gray scale (γ = 0.45)	VJ8-0010
J-3	Color bar chart	VJ8-0009
J-4	Siemens star chart	
J-5	Two color temperature conversion filters (LBA8)	VJ8-0002
J-6	Socket pull-out tool	VJ8-0030
J-7	Camera block fixing tool	VJ8-0128
J-8	Pan head	VJ8-0101
J-9	Circuit board connecting tool	VJ8-0132
J-10	Extension cord (CA1 to CP1)	VJ8-0130
J-11	Extension cord (CA1 to CP1)	VJ8-0129
J-12	Extension cord (CA1 to PW1)	VJ8-0131
J-13	Adjustment controller	VJ8-0103
J-14	Adjustment (–) screwdriver	VJ8-0104

Note: J-1 Color viewer is 100 ~ 110 VAC only.

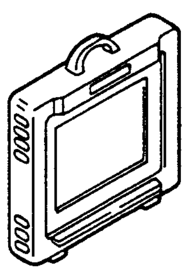
1-2. EQUIPMENTS

1. Vectorscope
2. Oscilloscope
3. Color monitor
4. Digital voltmeter
5. Frequency counter
6. DC regulated power supply

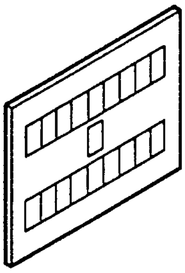
1-3. ADJUSTMENT ITEM AND ORDER

1. Oscillation frequency adjustment
2. Focus position adjustment
3. Zooming curve adjustment
4. CCD driving voltage adjustment
5. PLL voltage provisional adjustment
6. Auto iris level adjustment
7. AGC level adjustment
8. Y level adjustment
9. Chroma balance adjustment
10. Hue and chroma level adjustment
11. 5,100K AWB adjustment
12. 2,800K AWB adjustment
13. PLL voltage adjustment

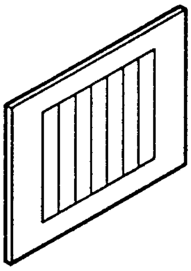
J-1



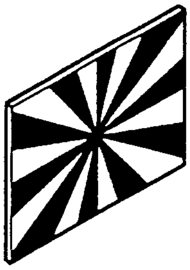
J-2



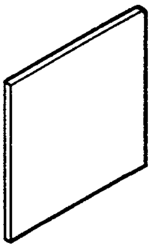
J-3



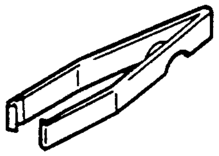
J-4



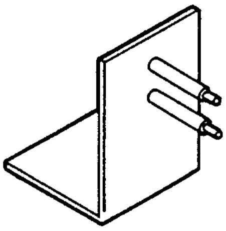
J-5



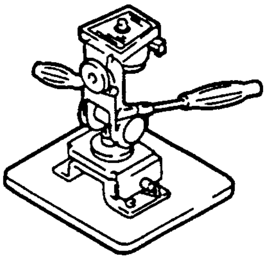
J-6



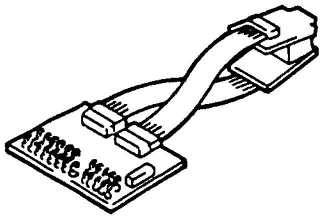
J-7



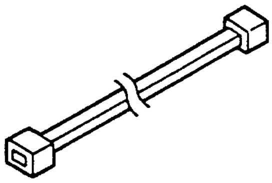
J-8



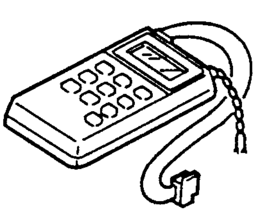
J-9



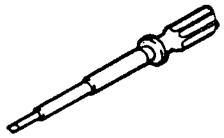
J-10 ~ J-12



J-13



J-14



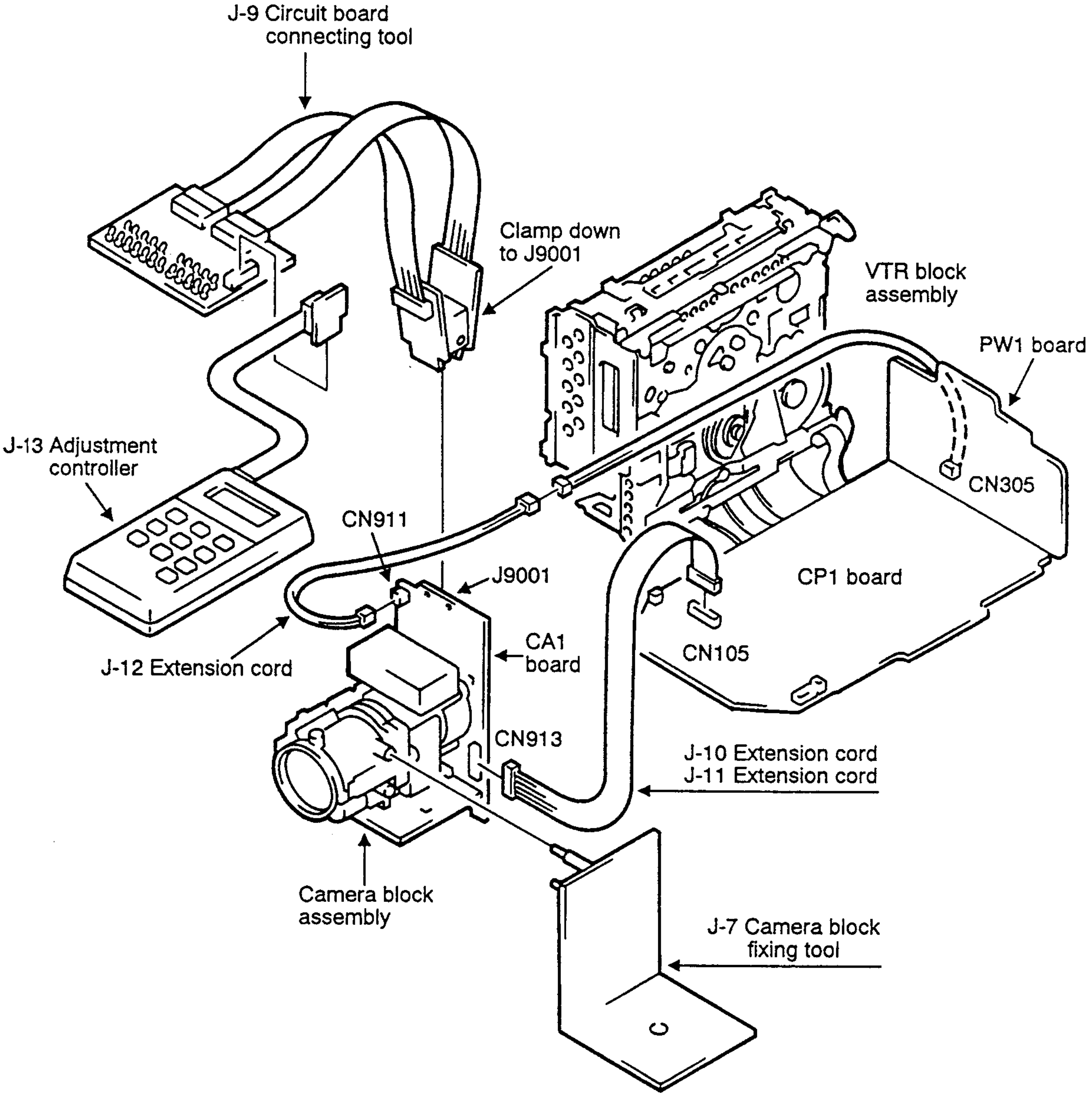
1-4. SETUP AND CONNECTION

Refer to "**3. DISASSEMBLY**" to remove the cabinet and each board.

1. Set the camera block assembly to the tool J-7 as illustrated.
2. Set up the camera block assembly and VTR block assembly as illustrated.
3. Connect as follows. Note that the required preparation differs a little depending on the adjustment item.
   CA1 to CP1 (J10/J11)
   CA1 to PW1 (J-12)
   CA1 to Adjustment Controller (Refer to 1-7)

NOTES:

- Open or ground the test pin J9001 ① [CAM ADJ.3], J9001 ⑧ [CAM ADJ.1] and J9001 ⑨ [CAM ADJ.2] in accordance with the adjustment specification.
- Use the test pin J9001 ⑬ [ID] and J9001 ⑮ [GND] as the trigger for oscilloscope and GND.
- J-10 is similar to J-11 with pins ①, ②, ④ cut-off.
- The circuit board connecting tool J-9 is also used in **"2. VTR BLOCK ADJUSTMENT"**.


J-9 Circuit board connecting tool
Clamp down to J9001
VTR block assembly
PW1 board
J-13 Adjustment controller
CN911
CN305
J9001
CP1 board
CA1 board
J-12 Extension cord
CN105
CN913
J-10 Extension cord
J-11 Extension cord
Camera block assembly
J-7 Camera block fixing tool

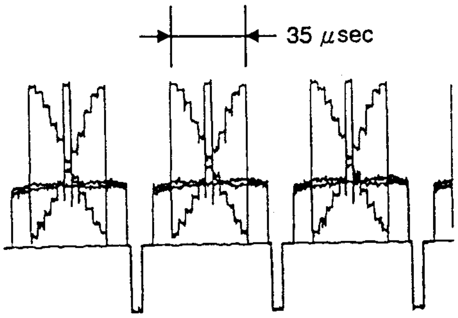
1-5. NOTES

1. Perform the adjustment after aging for ten minutes or more.
2. As a rule, perform the adjustment in the order as shown in the section 1-8.
3. Set the line select switch of the vectorscope to +V.

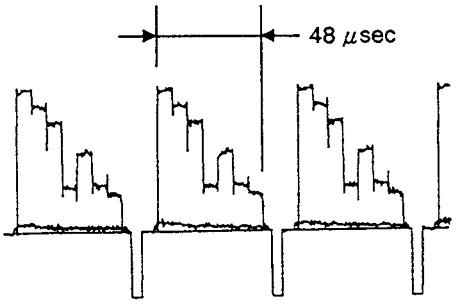
1-6. STANDARD SETTING

1. Use the 5,100K viewer for a subject.
2. Set to about 70 cm the distance from subject and adjust with the power zoom buttons so that each picture frame size becomes as shown below when performing the adjustment with the gray scale and the color bar.
3. Operate the power zoom buttons so that the viewer without chart is monitored on the whole screen when performing the adjustment with the all white pattern.
4. Connect the equipment.

Gray scale



Color bar



1-7. ADJUSTMENT CONTROLLER

For this camera, the semi-fixed resistors used formerly decrease to four and the EVR (electronic volume) IC is used instead. The EVR IC incorporates the non-volatile memory and the 8 bits D/A converter of 12 channels.

The adjustment controller performs the following communications with EVR IC.

They are channel designation, up/down of data (8 bits, 0 to 255), reading out of the data written in the memory and writing of the data to the memory, etc.

These operations can be performed by the key operations of the adjustment controller.

Use the adjustment controller as described below.

① **Connecting method**

Turn off the power supply of the AC adaptor, then connect test pin array J9001 of CA1 board to the adjustment controller using the J-9 circuit board connecting tool. (Refer to 1-4.)

② **Power supply**

Use the DC regulated power supply for the power supply of the adjustment controller and connect 6 to 8 VDC to the pin jack.

- Turn on/off the power supply of camera and the power supply of the adjustment controller at the same time.

③ **Test pin array**

Due to its small size, connect test pin array J9001 of CA1 board to the adjustment controller using the J-9 circuit board connecting tool. The J-9 relay board is, as the J9001, also located in the test pin array.

④ **Relation between the adjusting data value and EVR IC output voltage**

When setting the adjusting data value as N, and EVR IC output voltage as V (N), the following formula is obtained.

$V(N) \fallingdotseq 0.5 + 3N/255$

(Example): $V(0) \fallingdotseq 0.5$ volt, $V(128) \fallingdotseq 2.0$ volt,
$V(255) \fallingdotseq 3.5$ volt

⑤ **Note on using the adjustment controller**

The correct adjusting data may be deleted by misoperation of the adjustment controller. The following three items are recommended to prevent this.

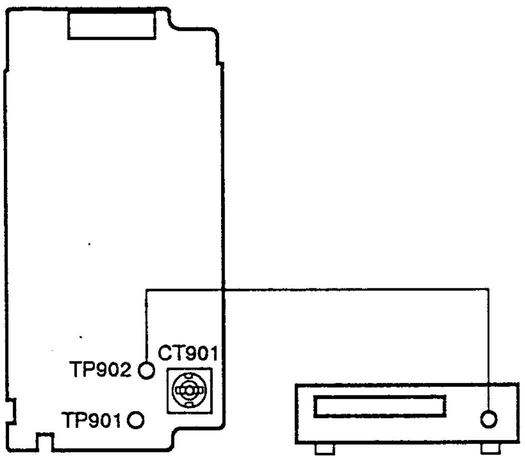
1. Before performing the adjustment, note after reading out the adjusting data (0 to 255) of each channel.
2. Note the new adjusting data every time an adjustment of item completes.
3. Send each data to the D/A converter of each channel by pressing AID+SEND and AID+WRT after setting the data of all adjusting items and store each into the memory to finish the adjustment.

(Refer to VJ8-0103 Adjustment controller Instruction Manual.)

1-8. ADJUSTING SPECIFICATION

1. Oscillation Frequency Adjustment

[Connection]



[Adjustment]

<table>
<tr><th>Measuring Point</th><th colspan="2">Measuring Equipment</th><th>Condition</th></tr>
<tr><td rowspan="3">TP902
TP901 (GND)</td><td colspan="2">Frequency counter</td><td>CAMERA EE</td></tr>
<tr><td colspan="3">Subject</td></tr>
<tr><td colspan="3"></td></tr>
<tr><th colspan="2">ADJ. Location</th><th colspan="2">ADJ. Value</th></tr>
<tr><td colspan="2">CT901</td><td colspan="2">28,375 ± 0.15 kHz</td></tr>
</table>

Preparation:

- Set the CAMERA EE mode by setting the POWER switch to "CAMERA" and the Stand-by switch to "READY".
- Connect the color monitor to the video output terminal. (Condition for subsequent adjustments.)

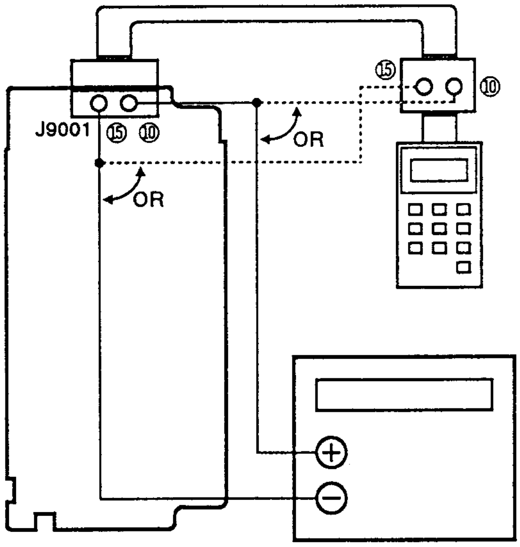
Adjusting method:

1. Adjust with CT901 so that the oscillation frequency is 28,375 ± 0.15 kHz.

- For adjustments 1. to 3. connect using the J-10 Extension cord.

2. Focus Position Adjustment

[Connection]



[Adjustment]

<table>
<tr><th>Measuring Point</th><th colspan="2">Measuring Equipment</th><th>Condition</th></tr>
<tr><td rowspan="3">Test pin array
J9001 ⑩
[ADJ. END]
J9001 ⑮ [GND]</td><td colspan="2">Digital voltmeter</td><td>Power
OFF → ON</td></tr>
<tr><td colspan="3">Subject</td></tr>
<tr><td colspan="3">Siemens star (from lens surface: 70 cm, illuminance: 100 to 200 lux)</td></tr>
<tr><th colspan="2">ADJ. Location</th><th colspan="2">ADJ. Value</th></tr>
<tr><td colspan="2"></td><td colspan="2"></td></tr>
</table>

Preparation:

- Short pin ①, pin ⑨ and pin ⑮ of J9001.

Adjusting method:

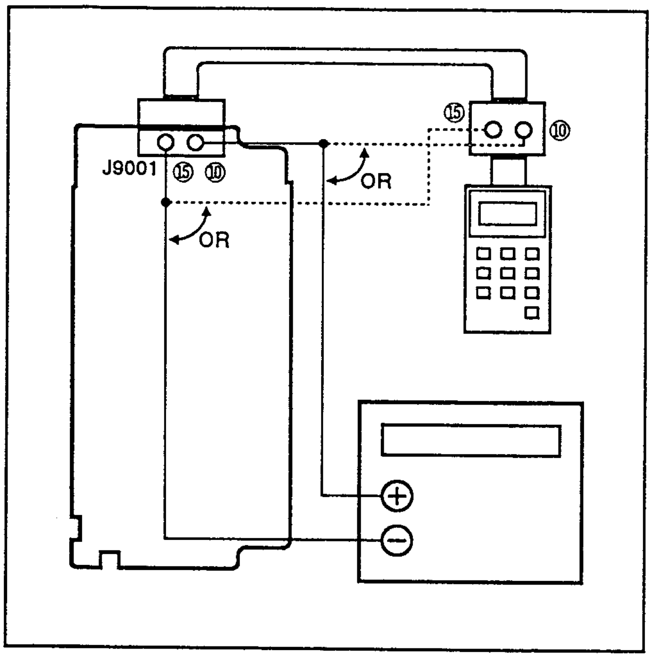
1. Turn on the power by changing the Stand-by switch from "HOLD" to "READY".
2. The DC voltage of J9001 ⑩ will change from High (4~ 5 V) to Low (below 1 V), and the adjustment will be completed. (About 15 seconds)

NOTES:

- When the power is turned on, the iris opens after a few seconds (10 seconds max.) and after the focus adjusts on the subject (Siemens star) it will be completely out of position.
- If, when the power is turned on, the iris does not open after 10 seconds or more turn the power off then on again.

3. Zooming Curve Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
Test pin array J9001 ⑩ [ADJ. END] J9001 ⑮ [GND]	Digital voltmeter	Power OFF → ON
	Subject	
	Siemens star (from lens surface: 120 cm illuminance: 100 to 200 lux)	

ADJ. Location	ADJ. Value

Preparation:

- Short pin ① and pin ⑧ , then short pin ⑨ and pin ⑮ of J9001.

Adjusting method:

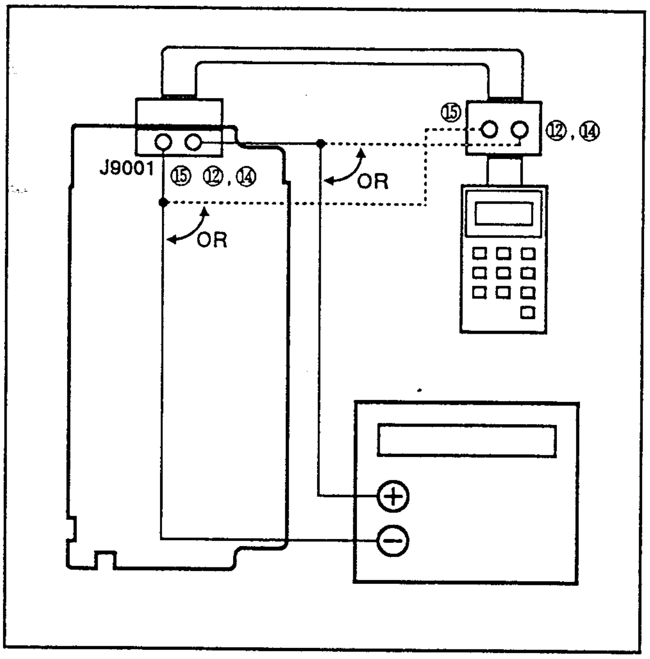
1. Turn on the power by changing the Stand-by switch from "HOLD" to "READY".
2. The DC voltage of J9001 ⑩ will change from High (4 ~ 5 V) to Low (below 1 V), and the adjustment will be completed. (About 15 seconds)

NOTES:

- When the power is turned on, the iris opens after a few seconds (10 seconds max.) and the focus adjusts on the subject (Siemens star).
- Focus Position Adjustment should be completed beforehand.

4. CCD Driving Voltage Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
Test pin array J9001 ⑫ [VSUB] J9001 ⑭ [PGL] J9001 ⑮ [GND]	Digital voltmeter	CAMERA EE
	Subject	
	No designation	

ADJ. Location	ADJ. Value
EVR CH1 [VSUB] EVR CH2 [PGL]	Abbreviation voltage value ± 0.1 V

Preparation:

- For this, and subsequent adjustments, connect with the J-11 Extension cord.

Adjusting method:

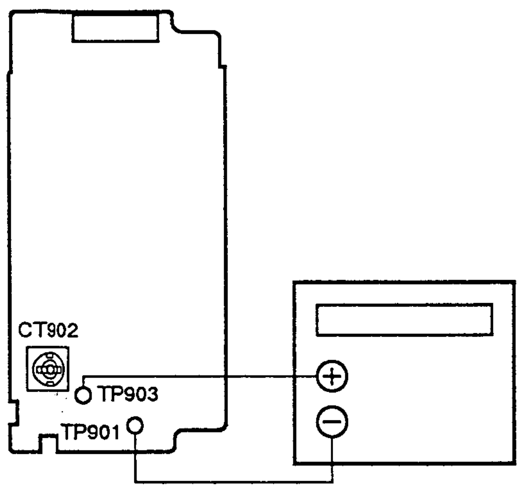
1. Read the abbreviation of two digits displayed on the rear side of CCD. The first digit displays PGL and the second digit displays VSUB. Convert these to the voltage with the table below.
   For example, [4R] displays PGL = 2.5 V, VSUB = 14.5 V
2. Operate the CH-UP key or the CH-DOWN key to designated EVR CH1.
3. Operate the DATA-CENT key, DATA-UP key and DATA-DOWN key so that the voltage at [VSUB] becomes the displayed voltage value ± 0.1 V.
4. Press the WRT key to store the adjusting data.
5. Repeat steps 2. ~ 4., and use the WRT key to adjust in the same manner the EVR CH2 [PGL] displayed voltage value ± 0.1 V.

PGL abbreviation	1	2	3	4	5	6	7
Voltage [V]	1.0	1.5	2.0	2.5	3.0	3.5	4.0

VSUB abbreviation	E	f	G	h	J	K	L	m	N	P	Q	R	S	T	U	V	W	X	Y	Z
Voltage [V]	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5

5. PLL Voltage Provisional Adjustment

[Connection]



[Adjustment]

<table>
<tr><th>Measuring Point</th><th>Measuring Equipment</th><th>Condition</th></tr>
<tr><td rowspan="3">TP903
TP901 (GND)</td><td>Digital voltmeter</td><td>CAMERA EE</td></tr>
<tr><th colspan="2">Subject</th></tr>
<tr><td colspan="2">No designation</td></tr>
</table>

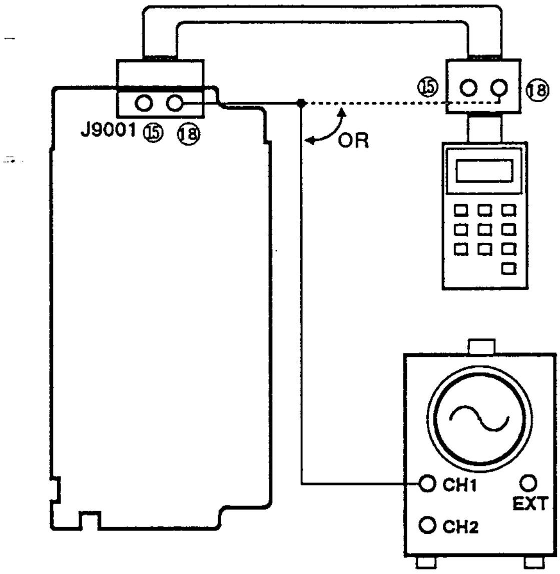
ADJ. Location	ADJ. Value
CT902	2.0 ~ 3.0 VDC

Adjusting method:

1. Adjust with CT902 to 2.0 ~ 3.0 VDC.

6. Auto Iris Level Adjustment

[Connection]



[Adjustment]

<table>
<tr><th>Measuring Point</th><th>Measuring Equipment</th><th>Condition</th></tr>
<tr><td rowspan="3">Test pin array
J9001⑱
[IRIS DET]
J9001 ⑮ [GND]</td><td>Oscilloscope</td><td>CAMERA EE</td></tr>
<tr><th colspan="2">Subject</th></tr>
<tr><td colspan="2">Gray scale (standard picture frame)</td></tr>
</table>

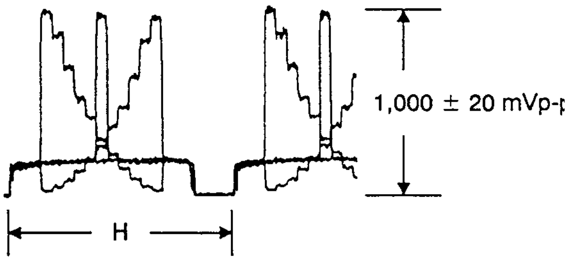
ADJ. Location	ADJ. Value
EVR CH3	1,000 ± 20 mV

Preparation:

- Short pin ⑧ and pin ⑮ of J9001.

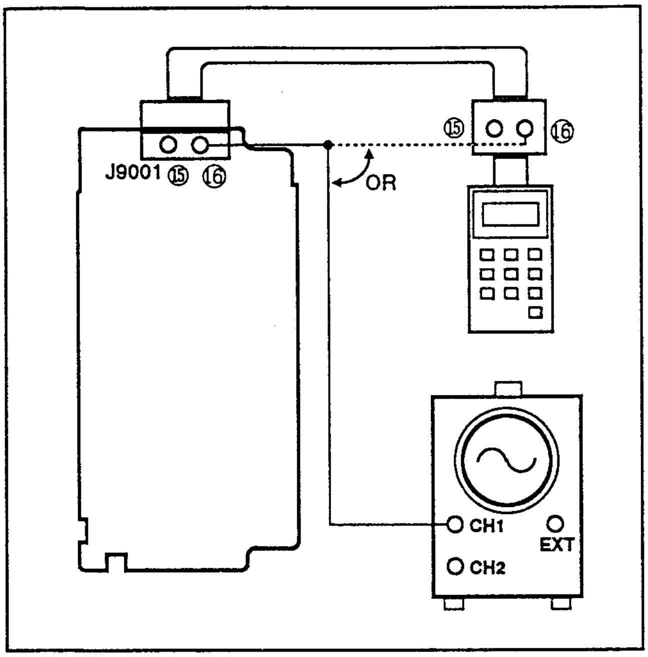
Adjusting method:

1. Operate the CH-UP key or the CH-DOWN key to designated EVR CH3.
2. Operate the DATA-CENT key, DATA-UP key and DATA-DOWN key to set the [IRIS DET.] waveform level to 1,000 ± 20 mVp-p.
3. Press the WRT key to store the adjusting data.



7. AGC Level Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
Test pin array J9001 ⑯ [AGC. DET] J9001 ⑮ [GND]	Oscilloscope	CAMERA EE
	Subject	
	Gray scale (standard picture frame)	

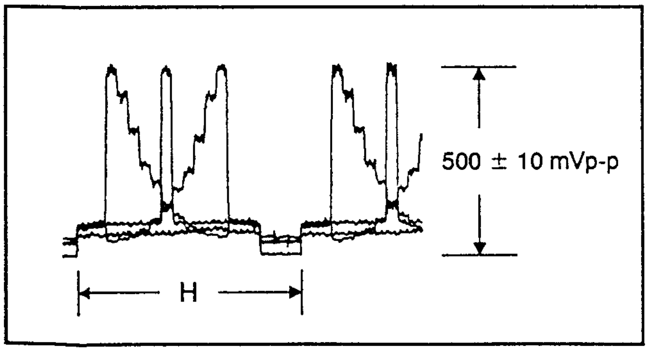
ADJ. Location	ADJ. Value
EVR CH4	500 ± 10 mVp-p

Preparation:

- Short pin ⑧ and pin ⑮ of J9001.

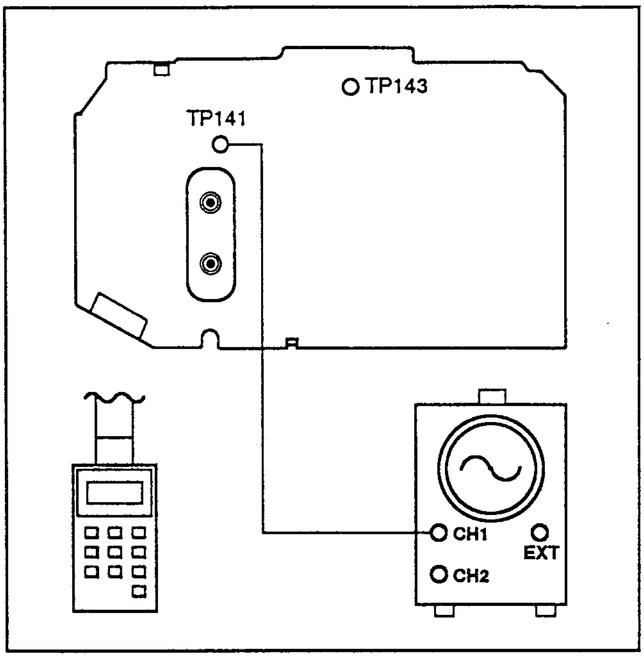
Adjusting method:

1. Operate the CH-UP key or the CH-DOWN key to designate EVR CH4.
2. Operate the DATA-CENT key, DATA-UP key and DATA-DOWN key to set the [AGC.DET] waveform level to 500 ± 10 mVp-p.
3. Press the WRT key to store the adjusting data.



8. Y Level Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
TP141 [CP1] (video output) TP143 (GND)	Oscilloscope	CAMERA EE
	Subject	
	Gray scale (standard picture frame)	

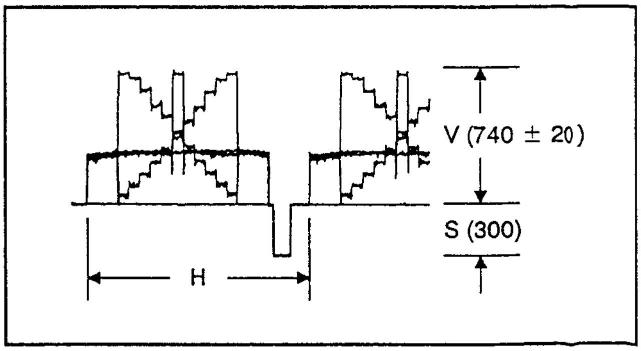
ADJ. Location	ADJ. Value
EVR CH5	S : V = 300 : (740 ± 20)

Preparation:

- Short pin ⑧ and pin ⑮ of J9001.

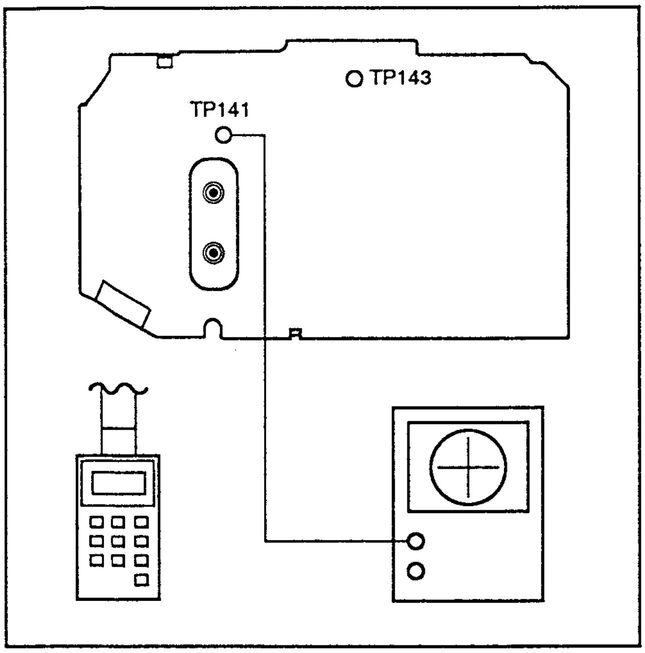
Adjusting method:

1. Operate the CH-UP key or the CH-DOWN key to designate EVR CH5.
2. Operate the DATA-CENT key, DATA-UP key and DATA-DOWN key to set the S : V ratio to 300 : (740 ± 20).
3. Press the WRT key to store the adjusting data.



9. Chroma Balance Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
TP141 [CP1] (video output) TP143 (GND)	Vectorscope	CAMERA EE
	Subject	
	Color bar (standard picture frame)	

ADJ. Location	ADJ. Value
EVR CH6	

Preparation:

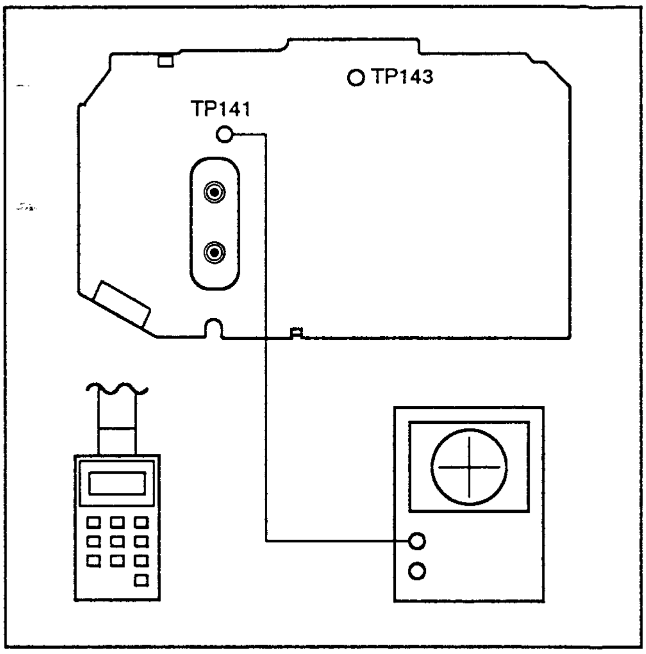
- Short pin ⑧ and pin ⑮ of J9001.

Adjusting method:

1. Adjust the gain and phase of the vectorscope so that the burst becomes 75%.
2. Operate the CH-UP key or the CH-DOWN key to designate EVR CH6.
3. Operate the DATA-CENT key, DATA-UP key and DATA-DOWN key to focus the luminance points which indicates color vectors respectively. (See page 5-10)
   - Adjust especially paying attention to the red vector.
4. Press the WRT key to store the adjusting data.

10. Hue and Chroma Level Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
TP141 [CP1] (video output) TP143 (GND)	Vectorscope	CAMERA EE
	Subject	
	Color bar (standard picture frame)	

ADJ. Location	ADJ. Value
EVR CH7, CH8, CH9, CH10	

Preparation:

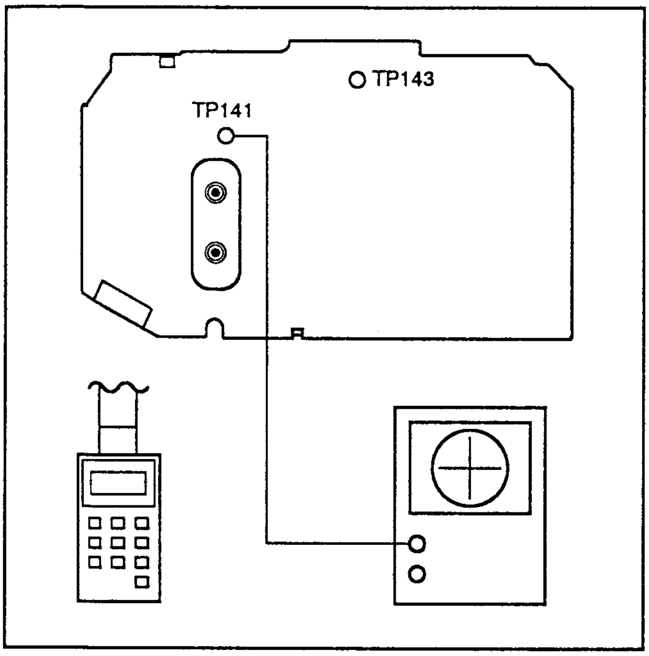
- Short pin ⑧ and pin ⑮ of J9001.

Adjusting method:

1. Press the RESET key once.
2. Press the READ key once while pressing the AID key and read out all the EVR data.
3. Adjust the gain and phase of the vectorscope so that the burst becomes 75%.
4. Adjust temporarily the white balance. Designate CH11 and CH12 and match the white vector of the color bar with the center of the vectorscope. Press the WRT key pressing the AID key to store the temporary adjusting data.
5. Adjust the four EVRs of CH7, CH8, CH9 and CH10 alternately so that the luminance points which indicate red and yellow vectors are on the points as shown in the figure respectively. (See page 5-10)
6. Press the WRT key once while pressing the AID key to store the adjusting data.

11. 5,100K AWB Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
TP141[CP1] (video output) TP143 (GND)	Vectorscope Color viewer 5,100K	CAMERA EE
	Subject	
	All white pattern	

ADJ. Location	ADJ. Value
EVR CH11, CH12	

Preparation:

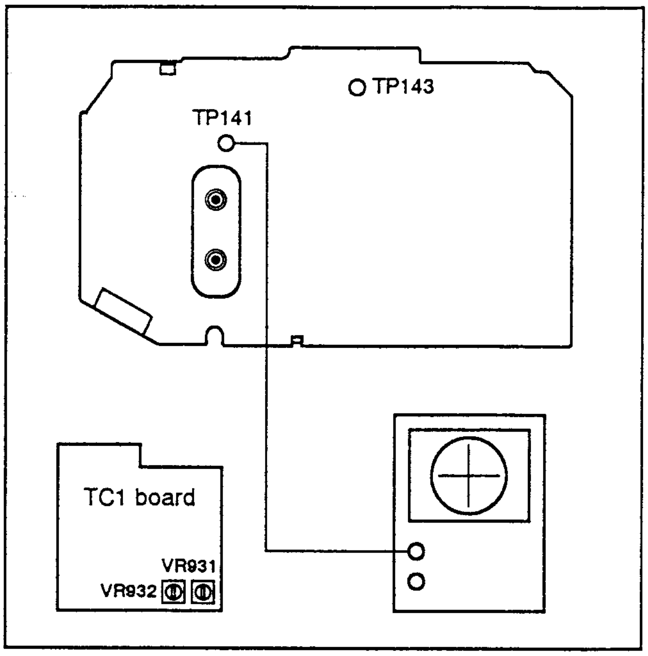
- Short pin ⑧ and pin ⑮ of J9001.

Adjusting method:

1. Set the gain so that the burst comes to the end of the vectorscope.
2. Press the RESET key once.
3. Press the READ key once while pressing the AID key and read out all the EVR data.
4. Adjust two EVRs of CH11 and CH12 mutually so that the luminance point displayed the white vector is positioned on the center point as shown in the figure. (See page 5-10)
5. Press the WRT key once while pressing the AID key to store the adjusting data.

12. 2,800K AWB Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
TP141 [CP1] (video output) TP143 (GND)	Vectorscope Color viewer 5,100K	CAMERA EE
	Subject	
	All white pattern (Insert two LBA8s into ray way)	

ADJ. Location	ADJ. Value
VR931 (R, G) VR932 (B, G)	

Preparation:

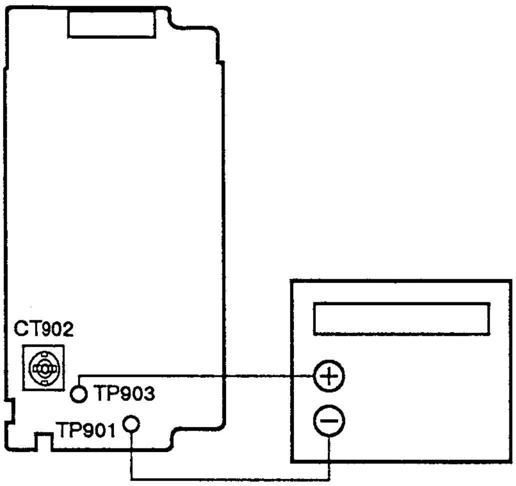
- Short pin ⑧, pin ⑨ and pin ⑮ of J9001.

Adjusting method:

1. Set the gain so that the burst comes to the end of the vectorscope.
2. Adjust with the VR931 (R, G) and VR932 (B, G) so that the luminance point displayed the white vector is positioned on the center point as shown in the figure. (See page 5-10)

13. PLL Voltage Adjustment

[Connection]



[Adjustment]

Measuring Point	Measuring Equipment	Condition
TP903 TP901 (GND)	Digital voltmeter	CAMERA EE
	Subject	
	No designation	

ADJ. Location	ADJ. Value
CT902	2.4 ± 0.1 VDC

Adjusting method:

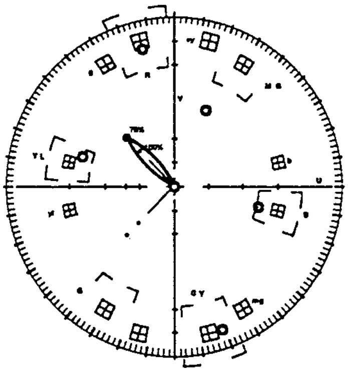
1. Turn CT902 so that the voltage of TP903 becomes 2.4 ± 0.1 VDC.

NOTE:

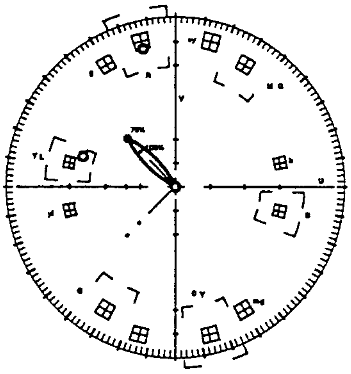
- Perform the adjustment especially after aging for more than ten minutes.

[Vectorscope display]

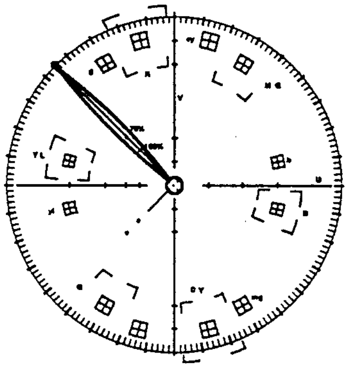
9. Chroma Balance Adjustment



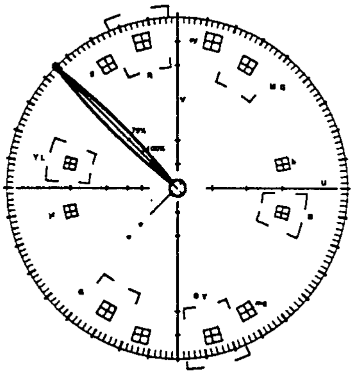
10. Hue and Chroma Level Adjustment



11. 5,100K AWB Adjustment



12. 2,800K AWB Adjustment



2. VTR BLOCK ADJUSTMENT

2-1. EQUIPMENTS

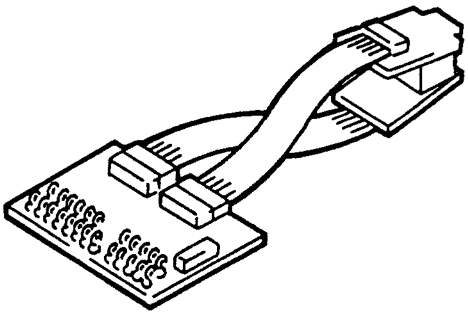
1. Monitor TV
2. Oscilloscope 2 phenomena, band 10 MHz or wider, delay mode. (Use 10 : 1 probe unless otherwise specified.)
3. Frequency counter, Universal counter
4. Pattern generator with video output terminal
   Note: One on which the chroma signal can be turned off)
5. Regulated power supply
6. Alignment tape
7. MP tape
8. Circuit board connecting tool
9. Alligator clip lead wire

2-2. ALIGNMENT TAPE

For video frequency characteristics adjustment (WR5-6C) : Part code; 8-967-995-17
For operation check (WR5-5CSP) : Part code; 8-967-995-47

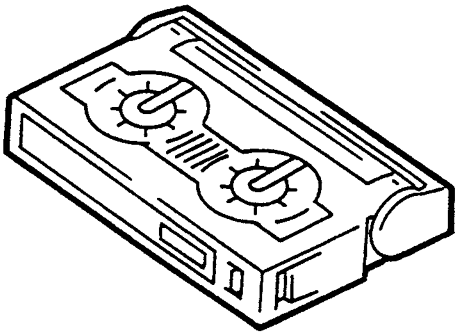
Name	Contents		Application
Video frequency characteristics (WR5-6C)	1. Recorded area 2. Recorded contents 3. Marker	Video RF sweep 0 to 10 MHz 1, 3.58, 5.5, 7 MHz	Frequency characteristics adjustment
Operation check (WR5-5CSP)	1. Recorded area 2. Recorded contents	Video, audio Color bar, monoscope (SP) Audio signal (FM), PCM audio signal	Operation check

J-9



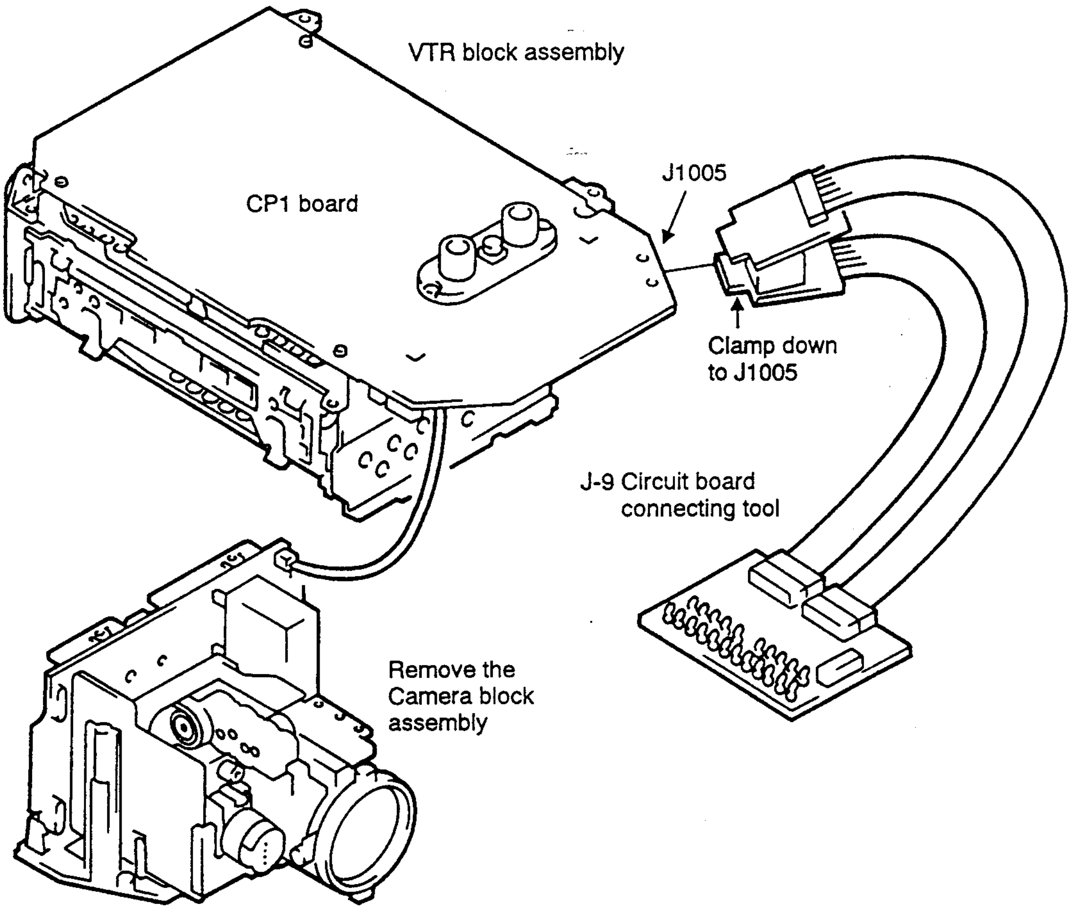
Circuit board connecting tool

J-15, J-16

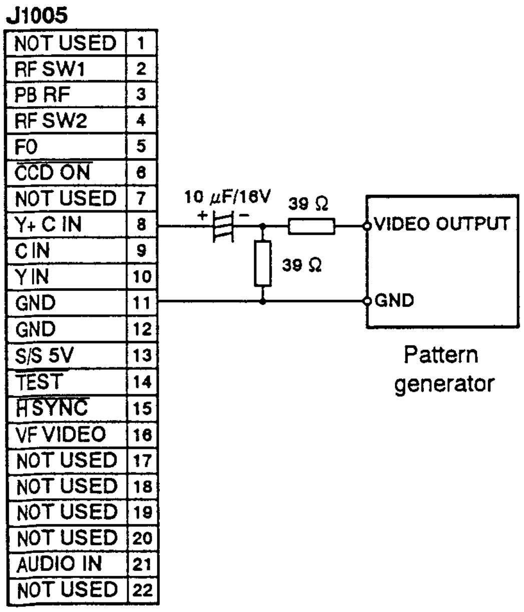


WR5-6C, WR5-5CSP

2-3. SETUP AND CONNECTION

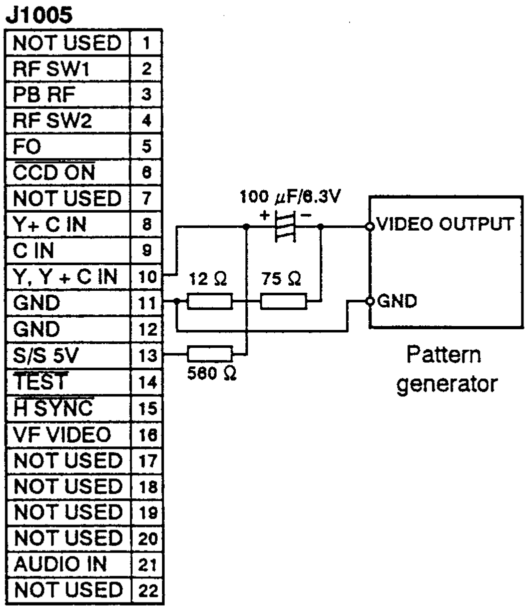

VTR block assembly
CP1 board
J1005
Clamp down to J1005
J-9 Circuit board connecting tool
Remove the Camera block assembly

(Video circuit adjustment pattern generator input signal connecting method)


J1005
10 µF/16V
39 Ω
39 Ω
VIDEO OUTPUT
GND
Pattern generator

J1005	
NOT USED	1
RF SW1	2
PB RF	3
RF SW2	4
FO	5
CCD ON	6
NOT USED	7
Y+ C IN	8
C IN	9
Y IN	10
GND	11
GND	12
S/S 5V	13
TEST	14
H SYNC	15
VF VIDEO	16
NOT USED	17
NOT USED	18
NOT USED	19
NOT USED	20
AUDIO IN	21
NOT USED	22

CP1 Board (For 2AG4B11A28500 only)


J1005
100 µF/6.3V
12 Ω
75 Ω
560 Ω
VIDEO OUTPUT
GND
Pattern generator

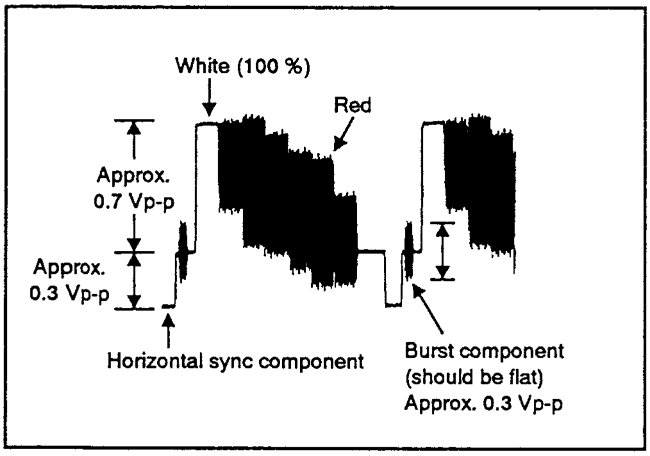
J1005	
NOT USED	1
RF SW1	2
PB RF	3
RF SW2	4
FO	5
CCD ON	6
NOT USED	7
Y+ C IN	8
C IN	9
Y, Y + C IN	10
GND	11
GND	12
S/S 5V	13
TEST	14
H SYNC	15
VF VIDEO	16
NOT USED	17
NOT USED	18
NOT USED	19
NOT USED	20
AUDIO IN	21
NOT USED	22

CP1 Board (From 2AG4B11A28500A)

2-4. SETUP FOR ADJUSTMENT

For adjustment of the VTR section, the video signal from the pattern generator is used as the adjustment signal. Therefore, it is necessary that this video output signal is within the specified level.

Confirm that the amplitude of the sync signal of the video signal is about 0.3 Vp-p, that the amplitude of the video section is about 0.7 Vp-p, that the amplitude of the burst signal is about 0.3 Vp-p and is flat, and that the level ratio of the burst signal and the "red" signal is 0.30 : 0.66.


White (100 %)
Red
Approx. 0.7 Vp-p
Approx. 0.3 Vp-p
Horizontal sync component
Burst component (should be flat) Approx. 0.3 Vp-p

[ADJ mode]

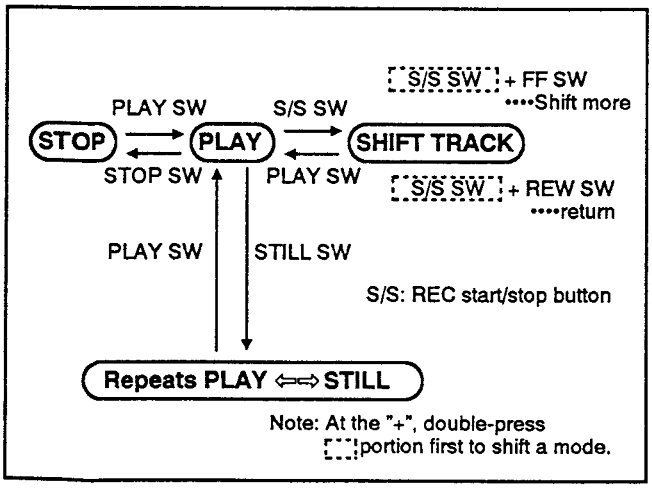
ADJ mode can be entered by short-circuiting test pin J1005 ⑪ [GND] and J1005 ⑭ [$\overline{\text{TEST}}$] with a clip.

(For video circuit adjustment only short pin ⑥ [$\overline{\text{CCD ON}}$] and pin ⑪ [GND] of J1005.)

However, when in CAMERA mode (POWER switch: "CAMERA", Stand-by switch: "READY"), mode shifting cannot be made as shown below.

[ADJ function]

- Stops the reel rotation checking operation.
- Stops the discrimination of SP/LP mode in playback mode. In this case, set the unit to CAMERA mode and press the SP/LP (PLAY) button to change to SP or LP.


STOP
PLAY
SHIFT TRACK
PLAY SW
S/S SW
STOP SW
PLAY SW
S/S SW + FF SW ····Shift more
S/S SW + REW SW ····return
PLAY SW
STILL SW
Repeats PLAY ⇔ STILL

S/S: REC start/stop button

Note: At the "+", double-press ⁝⁝ portion first to shift a mode.

Note: SHIFT TRACK mode is used for Mechanism tracking adjustment.

2-5. ADJUSTMENT ITEM AND ORDER

[Servo/System Control Circuit]

1. ON-screen character position adjustment
2. Video center adjustment

[Video Circuit]

1. Playback frequency characteristics check
2. Flying erase check
3. Sync AGC adjustment
4. Trap fo adjustment
5. Comb filter phase adjustment
6. Comb filter level adjustment
7. PB line out Y level adjustment
8. PB Y level check
9. Y FM carrier frequency adjustment
10. Y FM deviation adjustment
11. REC Y recording current check
12. REC C recording current adjustment
13. REC AFM recording current check
14. REC ATF recording current check

[Audio Circuit]

1. fo adjustment
2. Deviation check
3. Overall level check
4. Overall S/N check

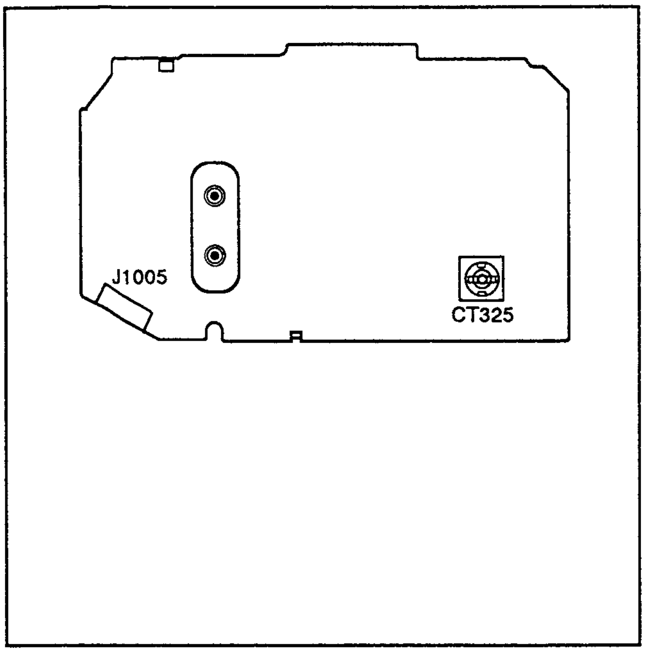
[Viewfinder Circuit]

1. Horizontal oscillation frequency adjustment
2. Viewfinder provisional adjustment
3. Centering adjustment
4. Horizontal size & viewfinder slant adjustment
5. Vertical size adjustment
6. Brightness adjustment
7. Focus adjustment

2-6. SERVO/SYSTEM CONTROL CIRCUIT

1. On-screen Character Position Adjustment

[Connection]



[Adjustment / Check]

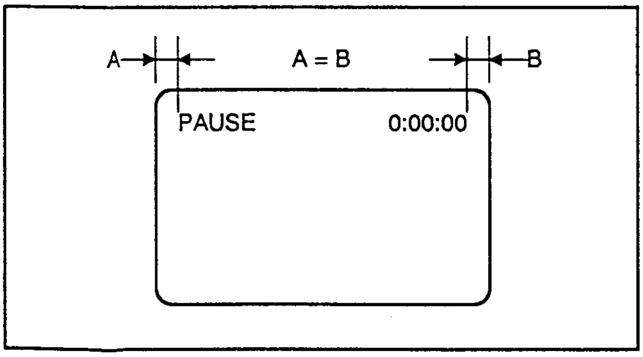
Measuring Point	Measuring Equipment	Condition
Viewfinder		Recording Pause
	Input Signal / Alignment Tape	
ADJ. Location	ADJ. / Check Value	
CT325		

Preparation:

- POWER switch: "CAMERA"
- Stand-by switch: "READY"

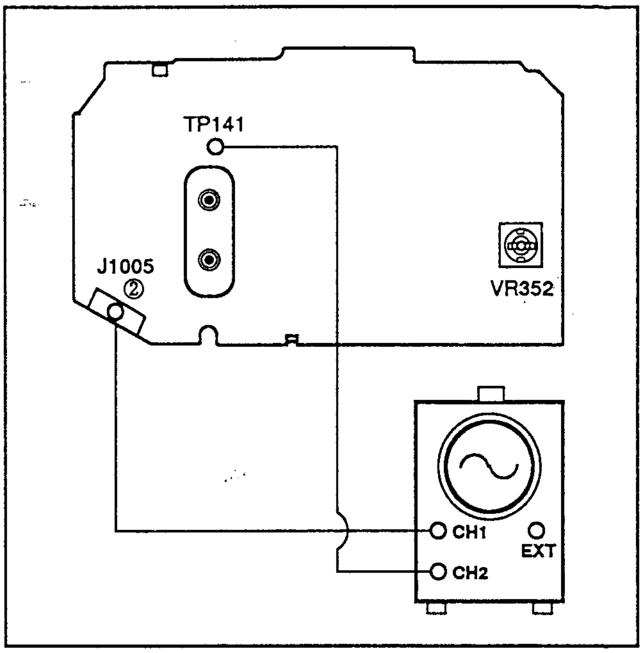
Adjusting / Checking method:

1. Adjust as illustrated with CT325.



2. Video Center Adjustment

[Connection]



[Adjustment / Check]

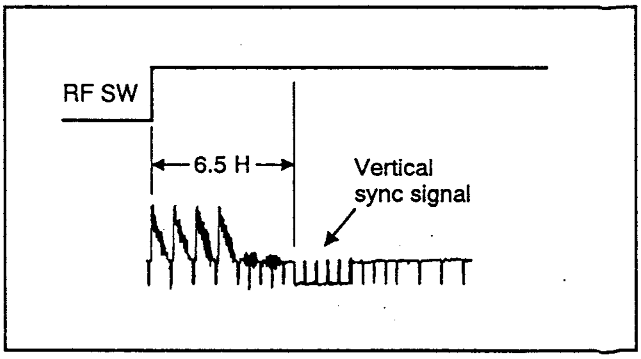
Measuring Point	Measuring Equipment	Condition
J1005②(CH1) TP141 (CH2) J1005⑪(GND)	Oscilloscope	Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check	
ADJ. Location	ADJ. / Check Value	
VR352	6.5 ± 0.3 H	

Preparation:

- POWER switch: "PLAYER"
- Short pin ⑪ and pin ⑭ of J1005.

Adjusting / Checking method:

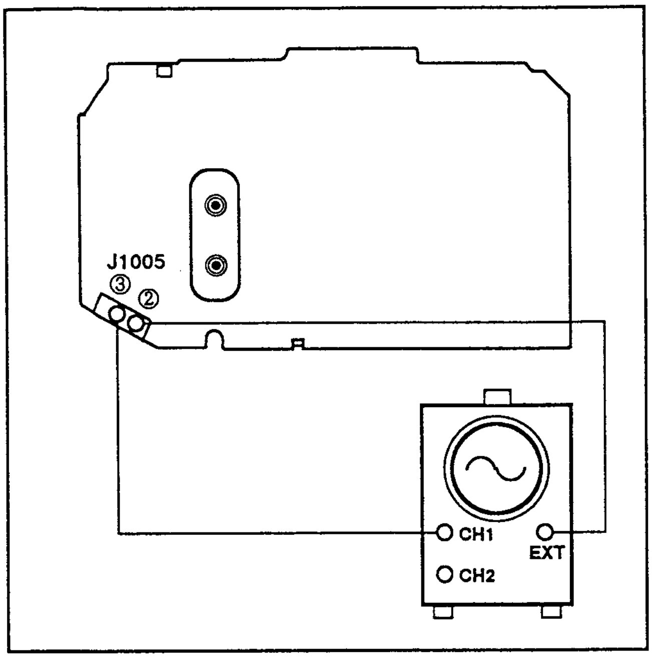
1. Adjust the vertical sync signal to 6.5 H from the rising edge (or falling edge) of the RF SW with VR352.



2-7. VIDEO CIRCUIT

1. Playback Frequency Characteristics Check

[Connection]



[Adjustment / Check]

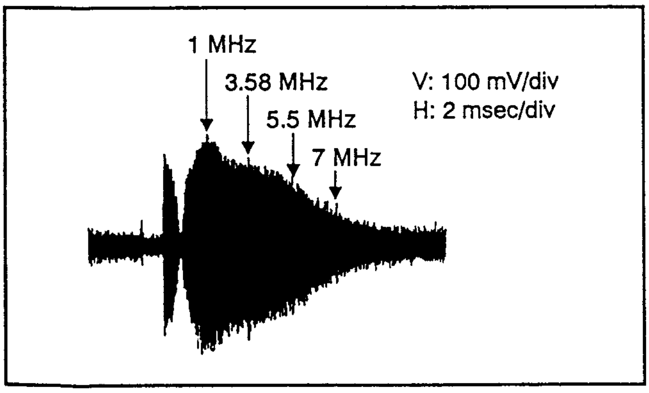
Measuring Point	Measuring Equipment	Condition
J1005③ (CH1) J1005② (EXT) J1005⑪ (GND)	Oscilloscope	Playback
	Input Signal / Alignment Tape	
	(WR5-6C): For frequency characteristics check	
ADJ. Location	**ADJ. / Check Value**	
	3.58 MHz : 5.5 MHz = 4 : 3	

Preparation:

- POWER switch: "PLAYER"
- Trigger slope [+]: CH-A, [–]: CH-B
- Short pin ⑥ and pin ⑪ of J1005.

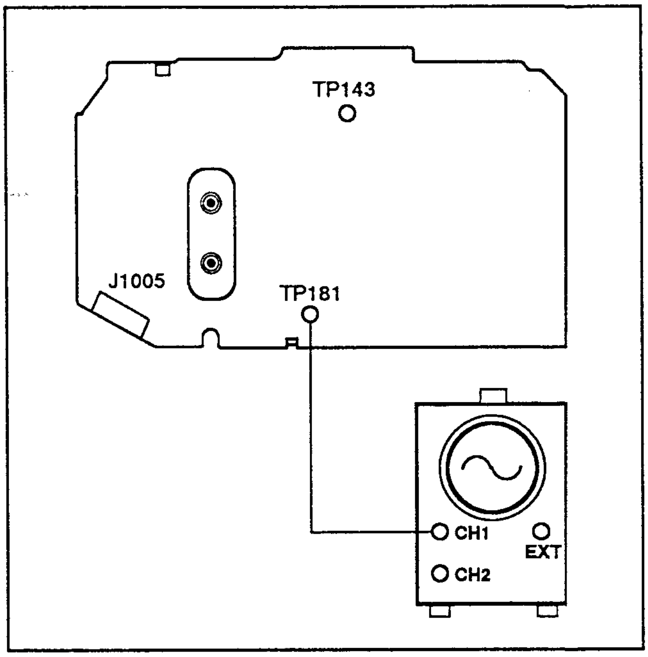
Adjusting / Checking method:

1. Confirm that the ratio between 3.58 MHz level and 5.5 MHz level is nearly 4 : 3.



2. Flying Erase Check

[Connection]



[Adjustment / Check]

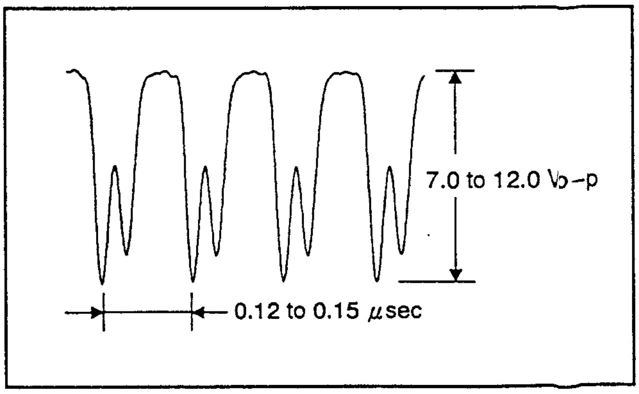
Measuring Point	Measuring Equipment	Condition
TP181 (CH1) TP143 (GND)	Oscilloscope	Record
	Input Signal / Alignment Tape	
	Arbitrary	
ADJ. Location	**ADJ. / Check Value**	
	Oscillation frequency: 6.5 to 8.5 MHz Oscillation voltage: 7.0 to 12.0 Vp-p	

Preparation:

- POWER switch: "CAMERA" / Stand-by switch: "READY"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

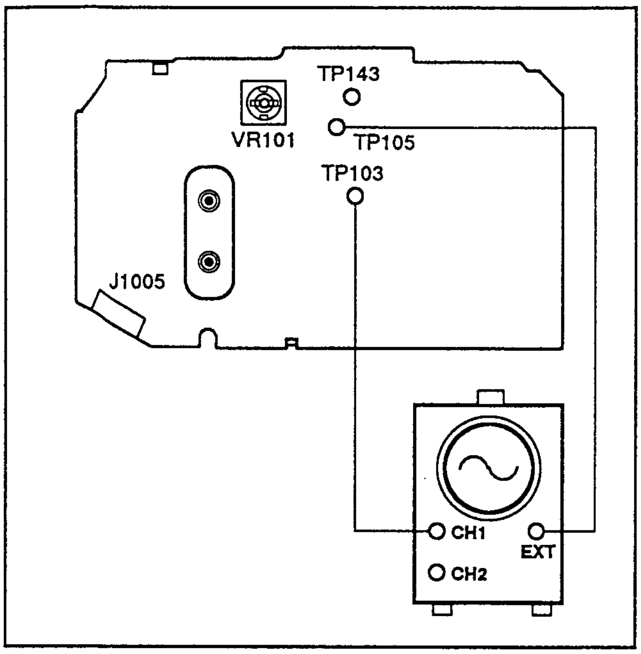
Adjusting / Checking method:

1. Confirm that the oscillation frequency is 6.5 to 8.5 MHz, and that the oscillation voltage is 7.0 to 12.0 Vp-p.



3. SYNC AGC Adjustment

[Connection]

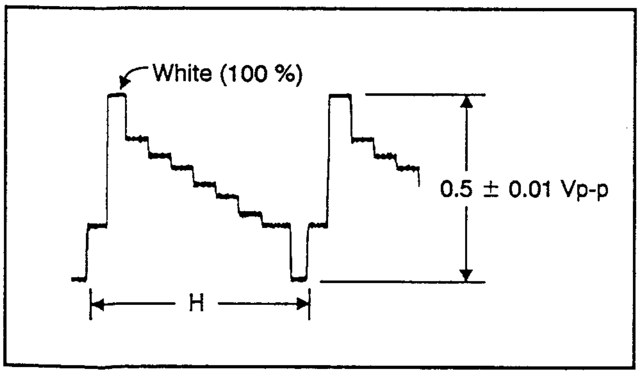

TP143
VR101
TP105
TP103
J1005
CH1
EXT
CH2

[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP103 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope	Stop
	Input Signal / Alignment Tape	
	Color bar (Y signal only)	
ADJ. Location	**ADJ. / Check Value**	
VR101	0.5 ± 0.01 Vp-p	

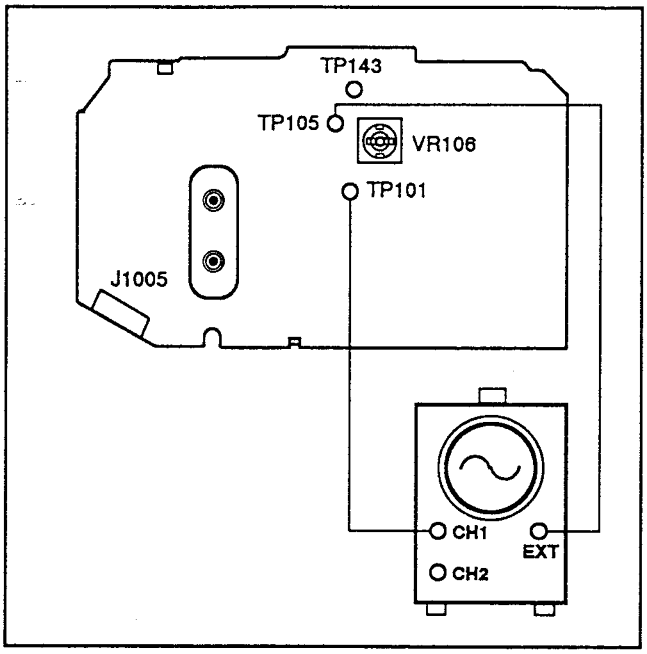
Preparation:
- POWER switch: "PLAYER"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

Adjusting / Checking method:
1. Adjust with VR101 to 0.5 ± 0.01 Vp-p.


White (100 %)
0.5 ± 0.01 Vp-p
H

4. Trap f_o Adjustment

[Connection]

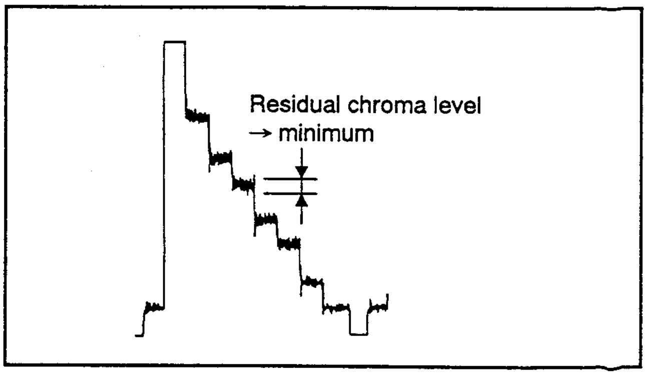

TP143
TP105
VR106
TP101
J1005
CH1
EXT
CH2

[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP101 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope	Stop
	Input Signal / Alignment Tape	
	Color bar	
ADJ. Location	**ADJ. / Check Value**	
VR106		

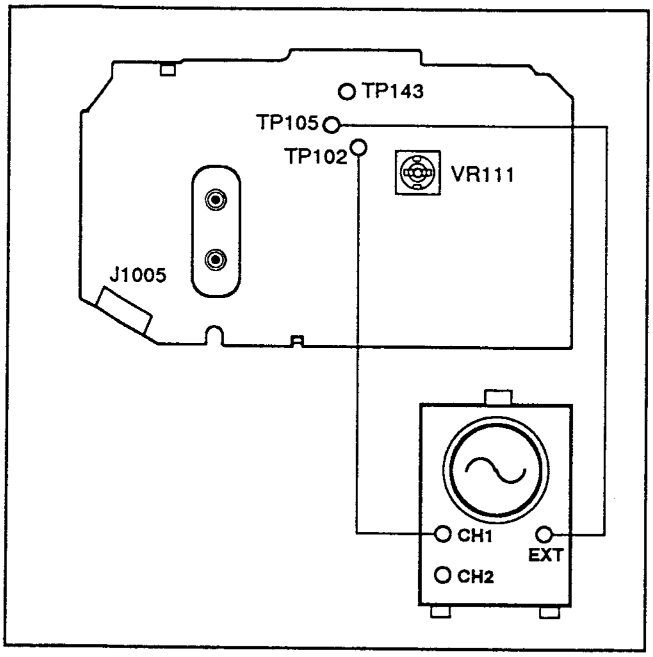
Preparation:
- POWER switch: "PLAYER"
- Short pin ⑥, pin ⑪ and pin ⑭, then short pin ⑤ and pin ⑬ of J1005.

Adjusting / Checking method:
1. Adjust with VR106 so that the amplitude (residual chroma level) of green becomes minimum (below 50 mVp-p).


Residual chroma level
→ minimum

5. Comb Filter Phase Adjustment

[Connection]


TP143
TP105
TP102
VR111
J1005
CH1
EXT
CH2

[Adjustment / Check]

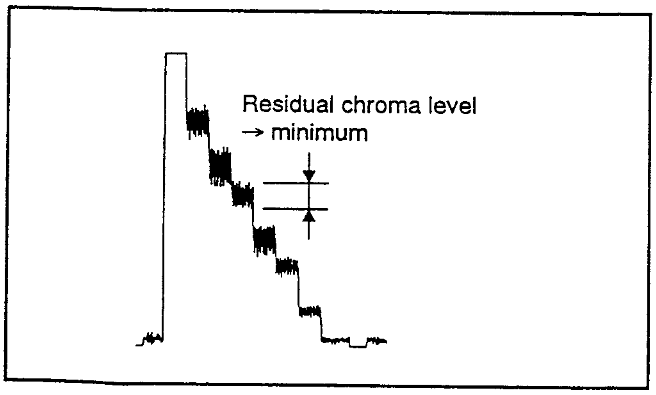
Measuring Point	Measuring Equipment	Condition
TP102 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope	Stop
	Input Signal / Alignment Tape	
	Color bar	
ADJ. Location	**ADJ. / Check Value**	
VR111		

Preparation:

- POWER switch: "PLAYER"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

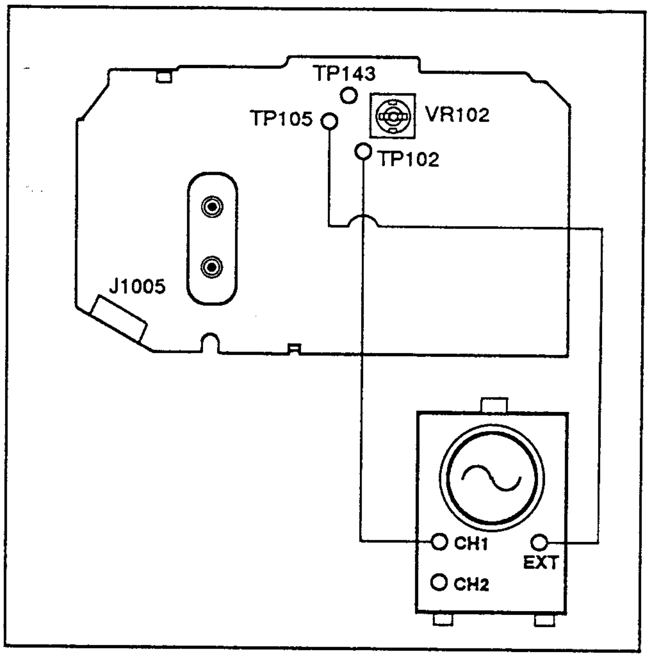
Adjusting / Checking method:

1. Adjust with VR111 so that the amplitude (residual chroma level) of green becomes minimum.


Residual chroma level
→ minimum

6. Comb Filter Level Adjustment

[Connection]


TP143
TP105
VR102
TP102
J1005
CH1
EXT
CH2

[Adjustment / Check]

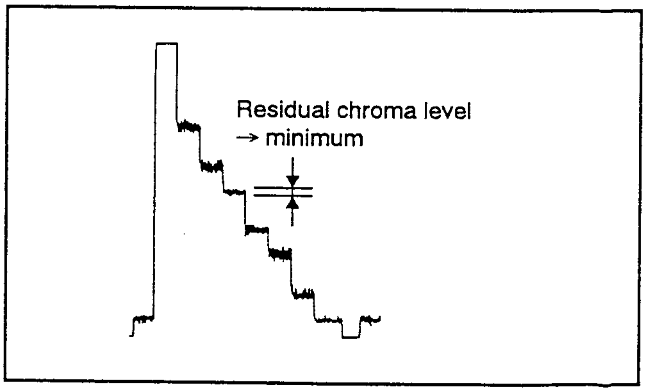
Measuring Point	Measuring Equipment	Condition
TP102 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope	Stop
	Input Signal / Alignment Tape	
	Color bar	
ADJ. Location	**ADJ. / Check Value**	
VR102		

Preparation:

- POWER switch: "PLAYER"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

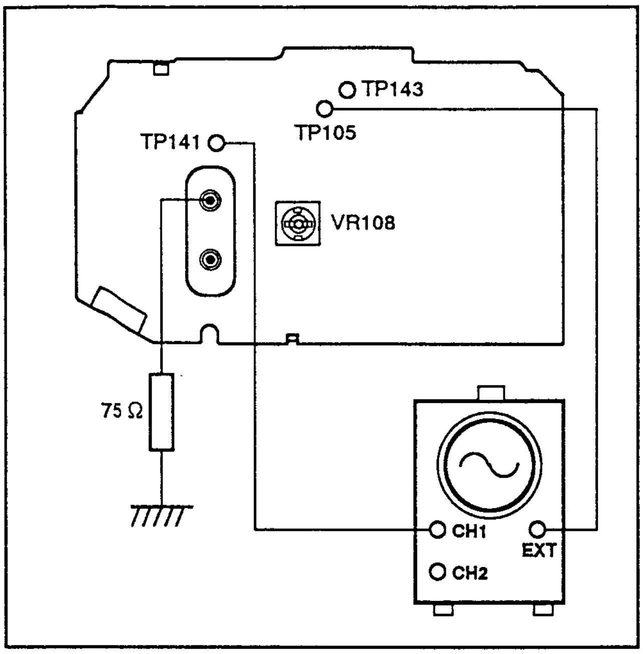
Adjusting / Checking method:

1. Adjust with VR102 so that the amplitude (residual chroma level) of greeen becomes minimum (below 20 mVp-p).


Residual chroma level
→ minimum

7. PB LINE OUT Y Level Adjustment

[Connection]

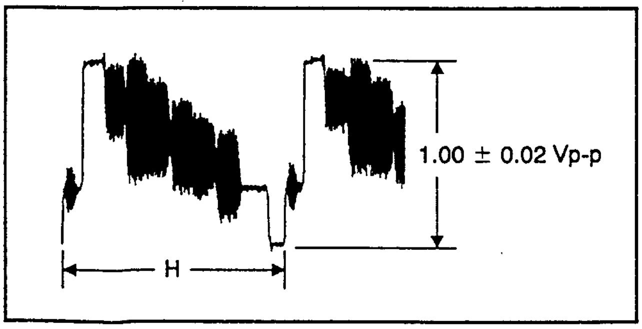


[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP141 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope	Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check, color bar portion	
ADJ. Location	**ADJ. / Check Value**	
VR108	1.00 ± 0.02 Vp-p	

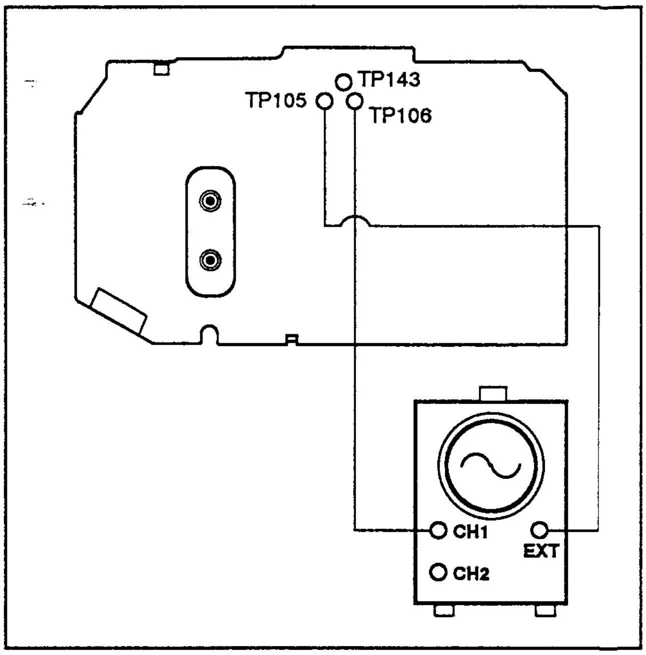
Preparation:
- POWER switch: "PLAYER"
- Short pin ⑥ and pin ⑪ of J1005.
- An AV cord should be connected, and the video output terminal should be terminated at 75 Ω .

Adjusting / Checking method:
1. Adjust with VR108 to 1.00 ± 0.02 Vp-p.



8. PB Y Level Check

[Connection]

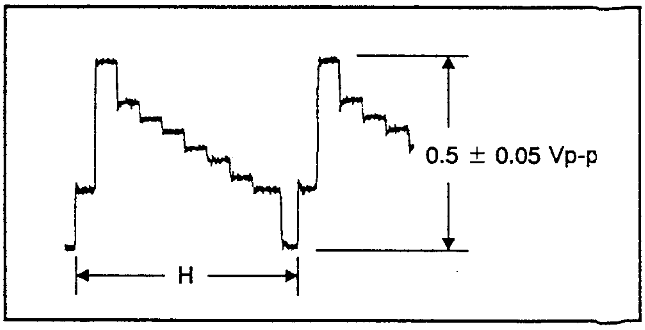


[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP106 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope	Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check, color bar portion	
ADJ. Location	**ADJ. / Check Value**	
	0.5 ± 0.05 Vp-p	

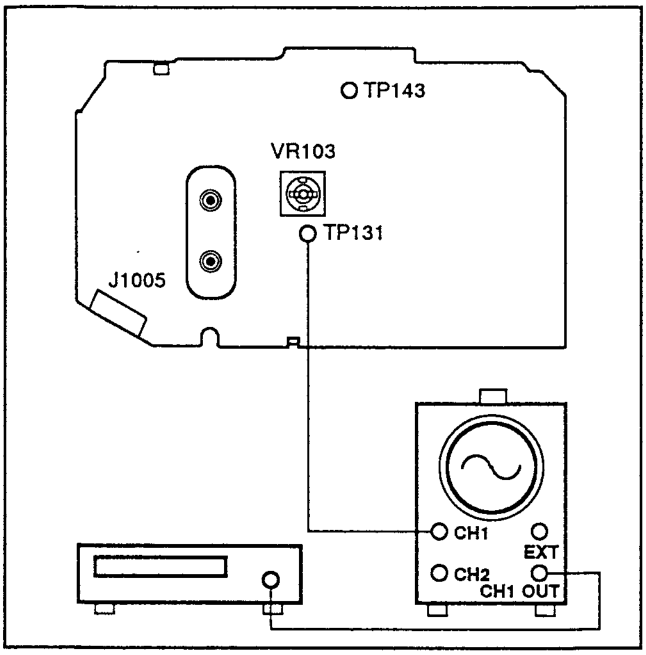
Preparation:
- POWER switch: "PLAYER"
- Short pin ⑥ and pin ⑪ of J1005.

Adjusting / Checking method:
1. Confirm that the playback level is 0.5 ± 0.05 Vp-p.



9. Y FM Carrier Frequency Adjustment

[Connection]



[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP131 (CH1) TP143 (GND)	Oscilloscope Frequency counter	Record
	Input Signal / Alignment Tape	
	No signal	
ADJ. Location	**ADJ. / Check Value**	
VR103	4.39 ± 0.05 MHz	

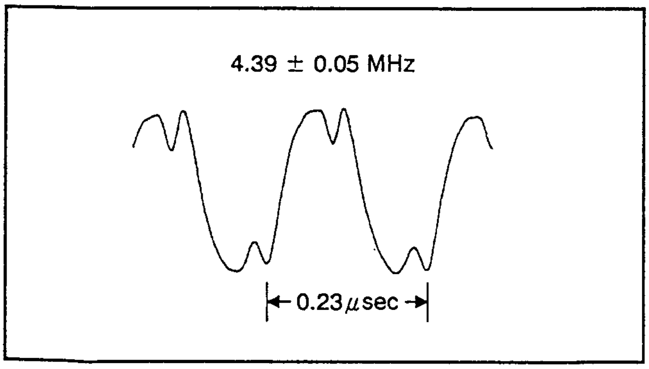
Preparation:

- POWER switch: "CAMERA" / Stand-by switch: "READY"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

Adjusting / Checking method:

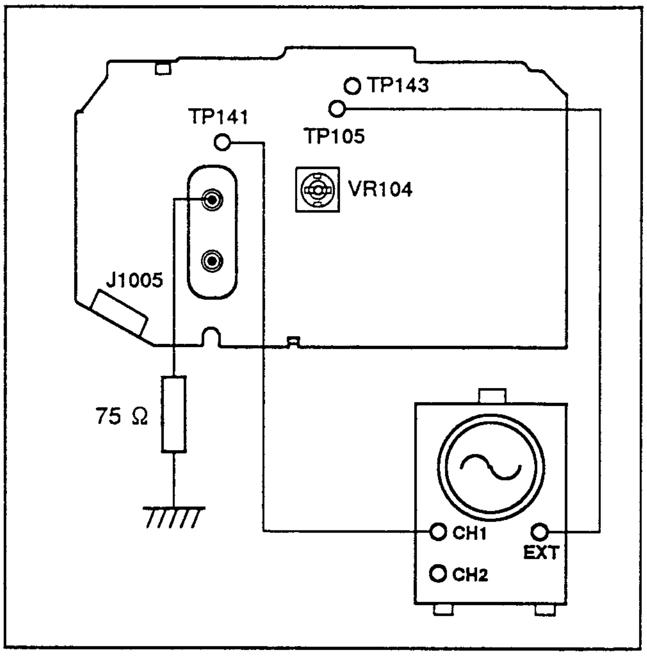
1. Adjust with VR103 to 4.39 ± 0.05 MHz.

- If adjusted to 4.39 MHz in no signal state, the frequency of sync tip is set to 4.20 MHz when there is a signal.



10. Y FM Deviation Adjustment

[Connection]



[Adjustment / Check]

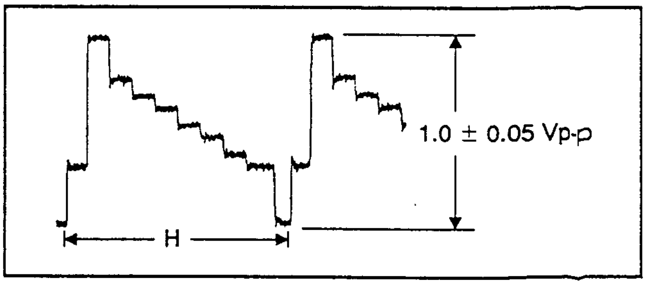
Measuring Point	Measuring Equipment	Condition
TP141 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope MP type tape	Record and Playback
	Input Signal / Alignment Tape	
	Color bar (Y signal only)	
ADJ. Location	**ADJ. / Check Value**	
VR104	1.00 ± 0.05 Vp-p	

Preparation:

- Stand-by switch: "READY" / POWER switch: "CAMERA" and "PLAYER" / Short pin ⑥, pin ⑪ and pin ⑭ of J1005.
- An AV cord should be connected, and the video output terminal should be terminated at 75 Ω .

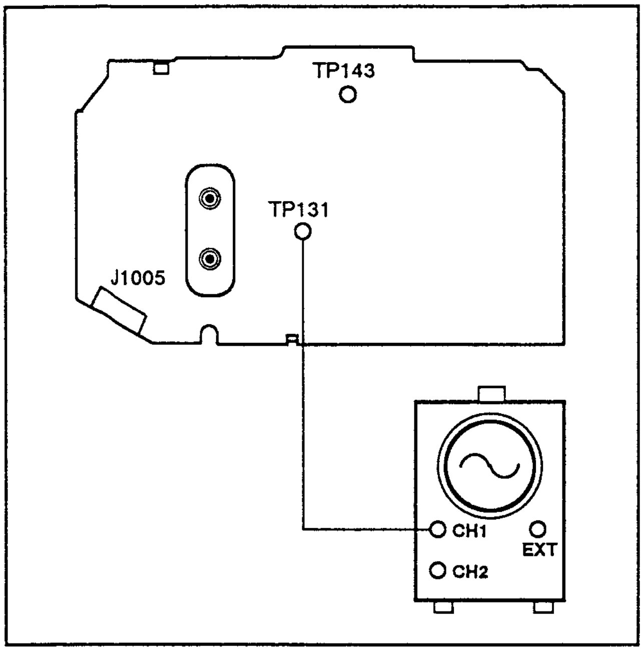
Adjusting / Checking method:

1. Record the color bar Y signal.
2. Play back the recorded signal.
3. Check the playback level.
   It should be within 1.00 ± 0.05 Vp-p.
4. When the level does not meet the specification, turn VR104 as follows, and repeat 1. to 3.
   Counterclockwise (↺): When larger than specified value
   Clockwise (↻): When smaller than specified value



11. REC Y Recording Current Check

[Connection]



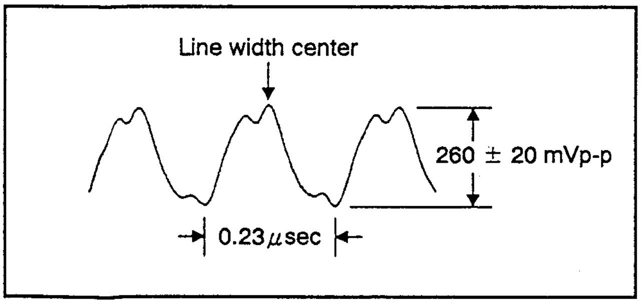
[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP131 (CH1) TP143 (GND)	Oscilloscope MP type tape	Record
	Input Signal / Alignment Tape	
	No signal	
ADJ. Location	**ADJ. / Check Value**	
	260 ± 20 mVp-p	

Preparation:
- POWER switch: "CAMERA" / Stand-by switch: "READY"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

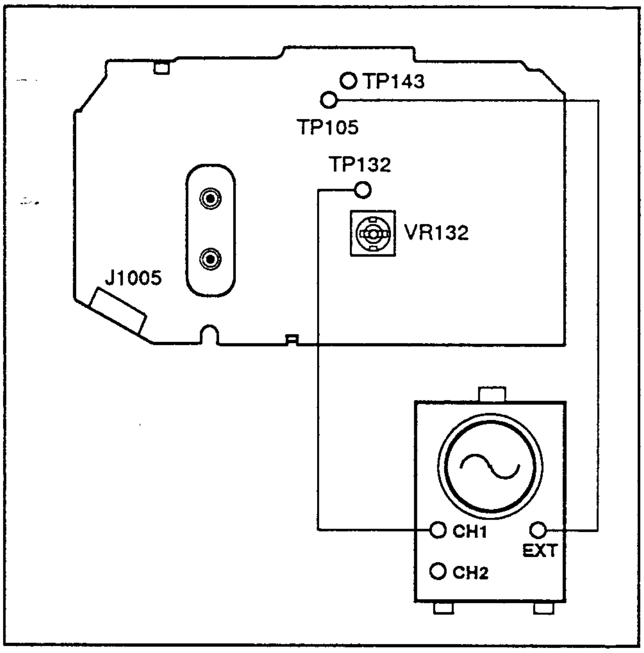
Adjusting / Checking method:

1. Confirm that the recording level is 260 ± 20 mVp-p.



12. REC C Recording Current Adjustment

[Connection]



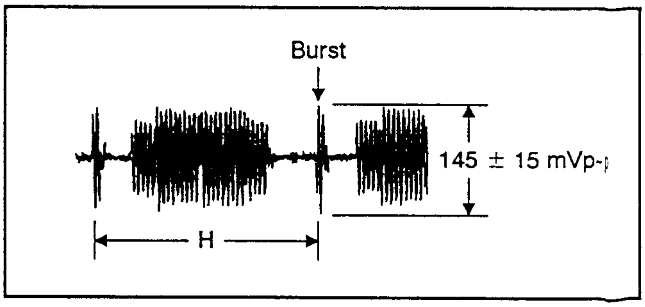
[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP132 (CH1) TP105 (EXT) TP143 (GND)	Oscilloscope MP type tape	Record
	Input Signal / Alignment Tape	
	Color bar	
ADJ. Location	**ADJ. / Check Value**	
VR132	145 ± 15 mVp-p	

Preparation:
- POWER switch: "CAMERA" / Stand-by switch: "READY"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

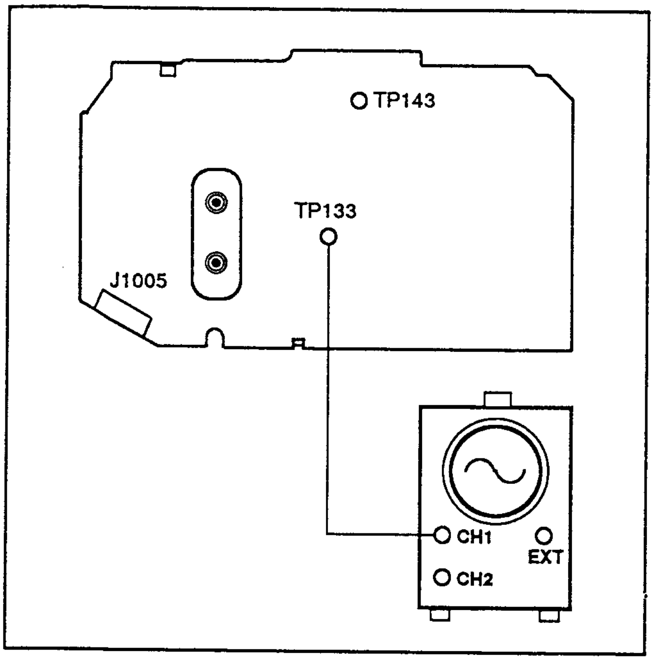
Adjusting / Checking method:

1. Adjust with VR132 so that the burst level becomes 145 ± 15 mVp-p.



13. REC AFM Recording Current Check

[Connection]

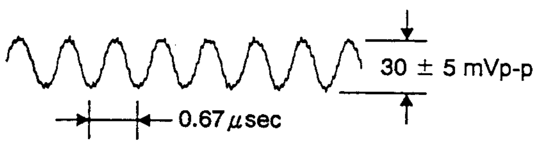


[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP133 (CH1) TP143 (GND)	Oscilloscope MP type tape	Record
	Input Signal / Alignment Tape	
	Color bar (Audio input: No signal)	
ADJ. Location	**ADJ. / Check Value**	
	30 ± 5 mVp-p	

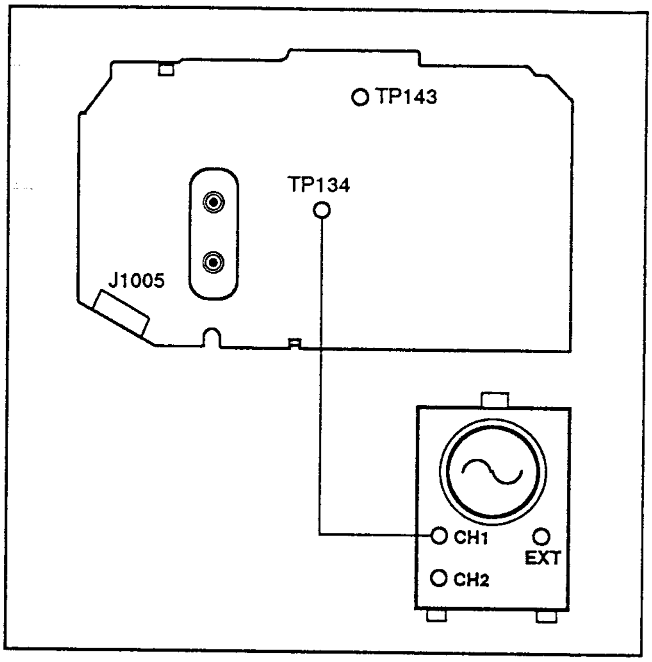
Preparation:
- POWER switch: "CAMERA" / Stand-by switch: "READY"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

Adjusting / Checking method:
1. Confirm that the oscillation voltage is 30 ± 5 mVp-p.



14. REC ATF Recording Current Check

[Connection]

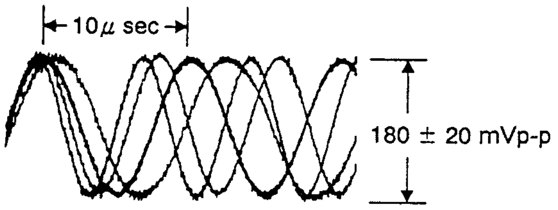


[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP134 (CH1) TP143 (GND)	Oscilloscope MP type tape	Record
	Input Signal / Alignment Tape	
	Color bar	
ADJ. Location	**ADJ. / Check Value**	
	180 ± 20 mVp-p	

Preparation:
- POWER switch: "CAMERA" / Stand-by switch: "READY"
- Short pin ⑥, pin ⑪ and pin ⑭ of J1005.

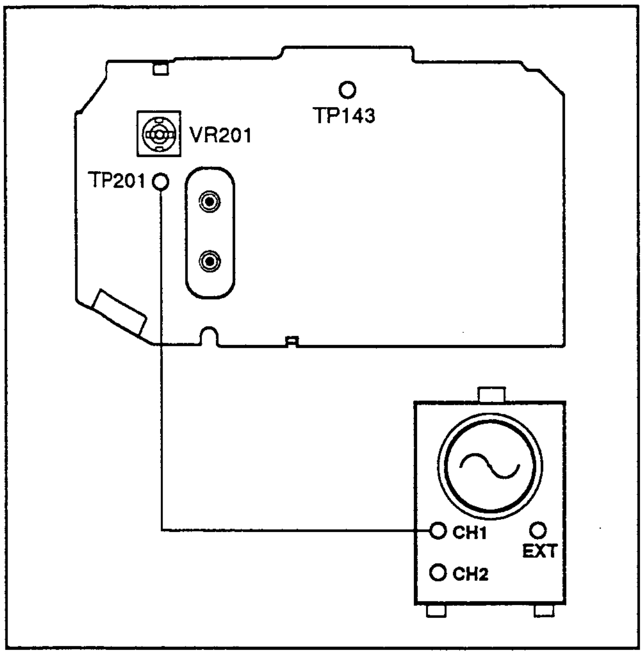
Adjusting / Checking method:
1. Confirm that the oscillation voltage is 180 ± 20 mVp-p.



2-8. AUDIO CIRCUIT

1. fo Adjustment

[Connection]



[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
TP201 (CH1) TP143 (GND)	Oscilloscope	Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check Audio input: No signal	
ADJ. Location	**ADJ. / Check Value**	
VR201		

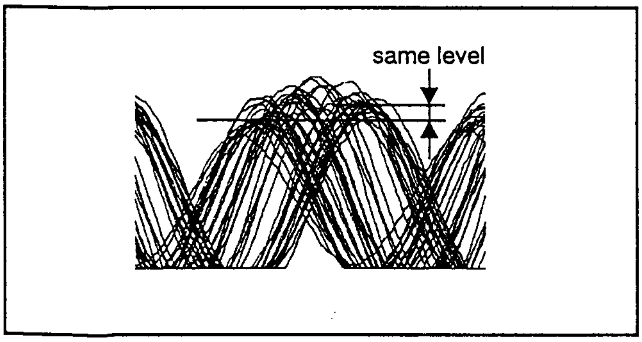
Preparation:

- POWER switch: "PLAYER"

Adjusting / Checking method:

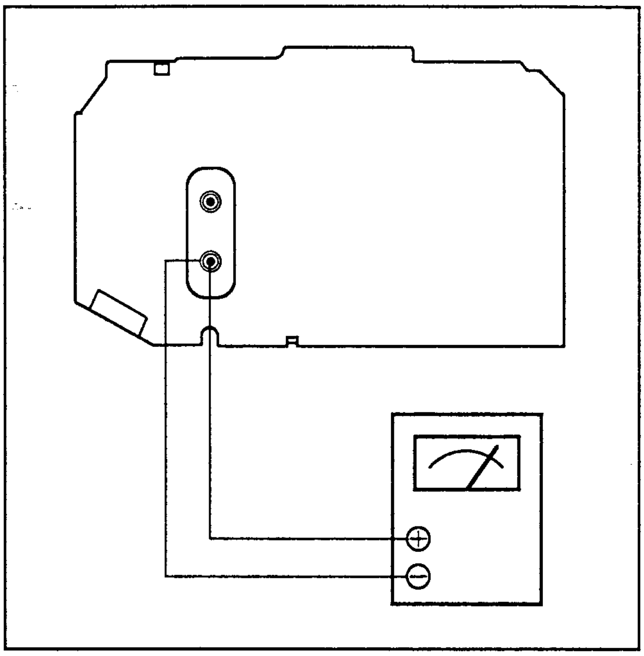
1. Set the oscilloscope to AC 50 mV/div, 0.5µsec/div.
2. Adjust with VR201 so that playback FM waveform has the same amplitude in high frequency range and low frequency range.

- Expand sweep of the time base to 0.1 µsec/div.



2. Deviation Check

[Connection]



[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
Audio output terminal	Audio level meter	Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check	
ADJ. Location	**ADJ. / Check Value**	
	− 7 ± 2 dBs	

Preparation:

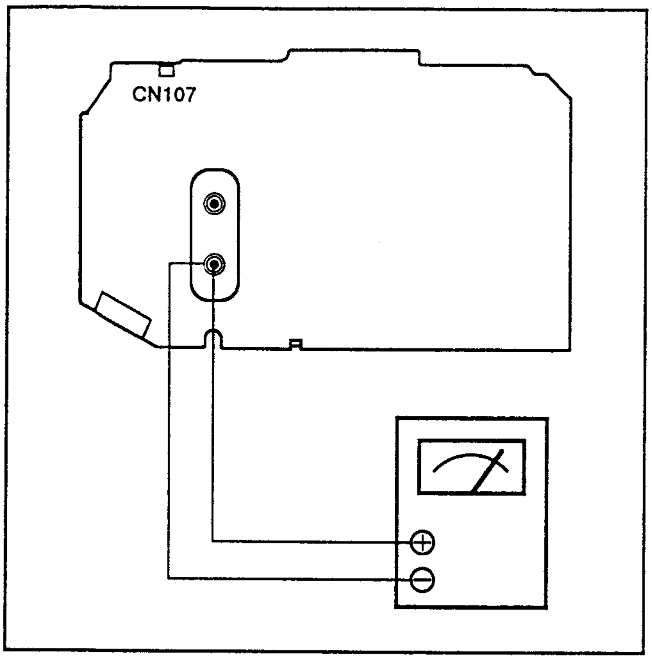
- POWER switch: "PLAYER"

Adjusting / Checking method:

1. Confirm that the audio output level is -7 ± 2 dBs.

3. Overall Level Check

[Connection]



[Adjustment / Check]

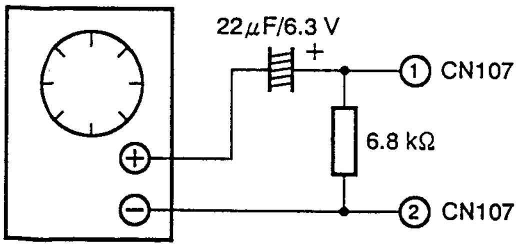
Measuring Point	Measuring Equipment	Condition
Audio output terminal	Audio level meter MP type tape	Record and playback (SP)
	Input Signal / Alignment Tape	
	MIC input (CN107①): 1 kHz, −56.5 dBs	
ADJ. Location	**ADJ. / Check Value**	
	− 7 ± 3 dBs less than 3%	

Preparation:
- Stand-by switch: "READY"
- POWER switch: "CAMERA" and "PLAYER"

Adjusting / Checking method:
1. Record.
2. Play back the recorded portion.
3. Confirm that the audio output level is - 7 ± 3 dBs and the distortion ratio is less than 3%.

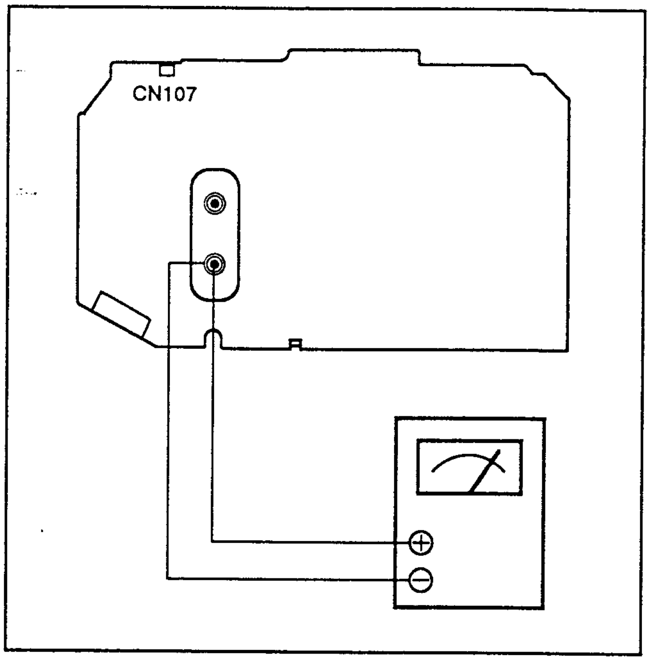
- Turn on the HPF button (400 Hz) of the distortion meter.

- Disconnect the microphone and connect the audio oscillator to CN107 ① and ②.



4. Overall S / N Check

[Connection]



[Adjustment / Check]

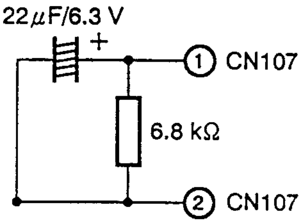
Measuring Point	Measuring Equipment	Condition
Audio output terminal	Audio level meter MP type tape	Record and playback (SP)
	Input Signal / Alignment Tape	
	Short-circuited at the MIC input end (CN107①): No signal	
ADJ. Location	**ADJ. / Check Value**	

Preparation:
- Stand-by switch: "READY"
- POWER switch: "CAMERA" and "PLAYER"

Adjusting / Checking method:
1. Record then play back the recorded portion.
2. Confirm that (playback level in 3. Overall Level Check) dBs - (playback level in this step) dBs is over 45 dB (JIS A audio corrections).

- Since the audio input level is extreme low, be careful of noise such as inductive hum, etc.

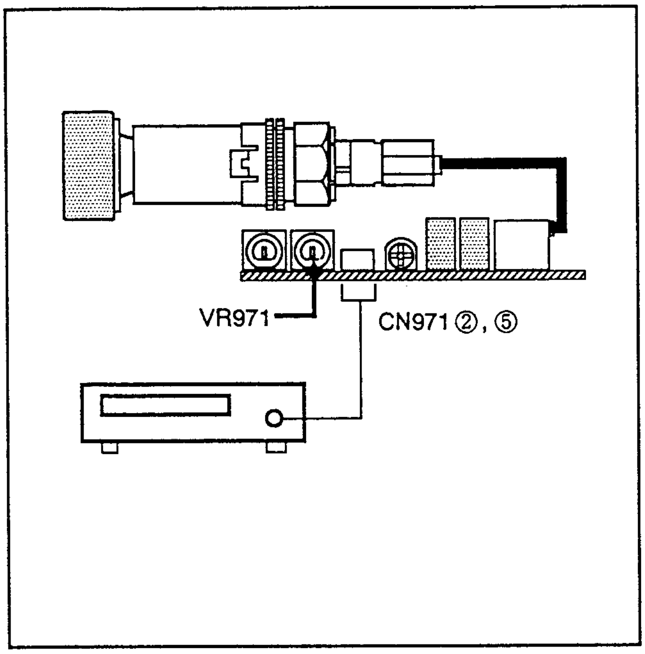
- Short the two sides as illustrated.



2-9. VIEWFINDER CIRCUIT

1. Horizontal Oscillation Frequency Adjustment

[Adjusting Location]



[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
CN971 ⑤, ② (GND)	Frequency counter	Stop
	Input Signal / Alignment Tape	
	No signal	
ADJ. Location	**ADJ. / Check Value**	
VR971	15,600 ± 100 Hz	

Preparation:

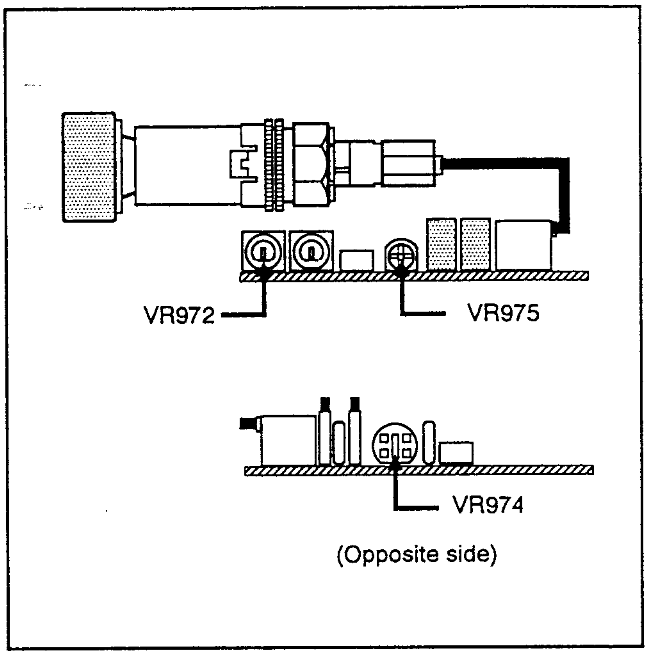
- POWER switch: "PLAYER"

Adjustment:

1. Adjust to 15,600 ± 100 Hz with VR971.

2. Viewfinder Provisional Adjustment

[Adjusting Location]



[Adjustment / Check]

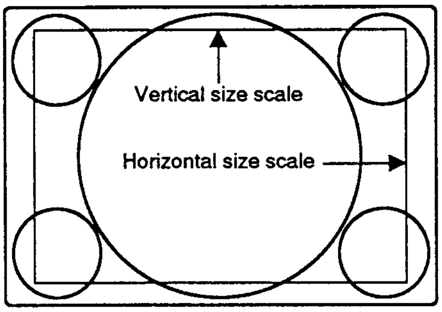
Measuring Point	Measuring Equipment	Condition
Viewfinder		Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check, monoscope portion	
ADJ. Location	**ADJ. / Check Value**	
VR972, VR974 VR975		

Preparation:

- POWER switch: "PLAYER"

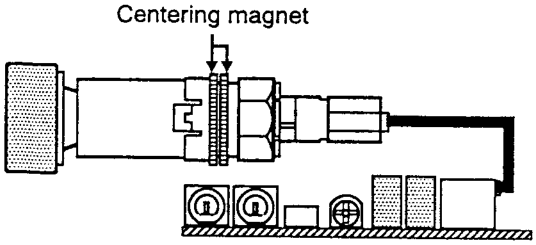
Adjustment:

1. Turn VR975 (BRIGHT) to obtain adequate brightness.
2. Turn VR972 (V SIZE) to adjust picture size.
3. Adjust VR975 (BRIGHT) and VR974 (FOCUS) so that a proper picture display is obtained.



3. Centering Adjustment

[Adjusting Location]


Centering magnet

[Adjustment / Check]

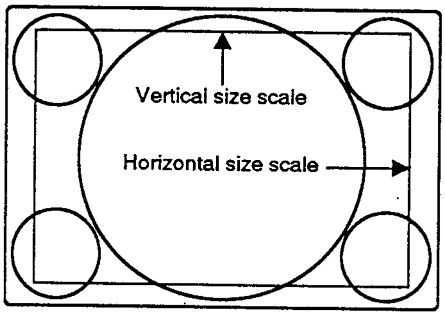
Measuring Point	Measuring Equipment	Condition
Viewfinder		Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check, monoscope portion	
ADJ. Location	**ADJ. / Check Value**	

Preparation:

- POWER switch: "PLAYER"

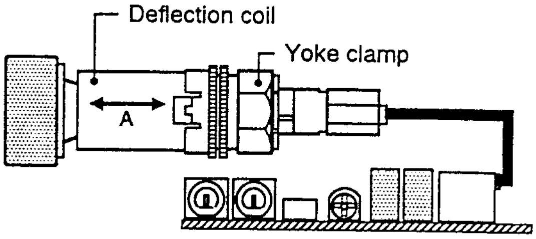
Adjustment:

1. Turn the centering magnet to center the picture.
2. Fix the centering magnet with lacquer.


Vertical size scale
Horizontal size scale

4. Horizontal Size & Viewfinder Slant Adjustment

[Adjusting Location]


Deflection coil
Yoke clamp
A

[Adjustment / Check]

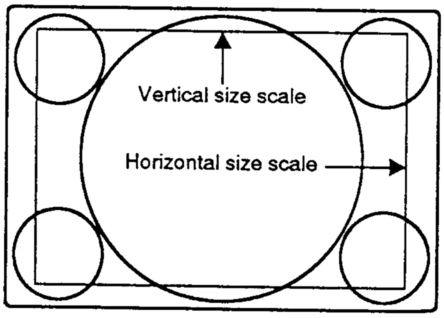
Measuring Point	Measuring Equipment	Condition
Viewfinder		Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check monoscope portion	
ADJ. Location	**ADJ. / Check Value**	

Preparation:

- POWER switch: "PLAYER"

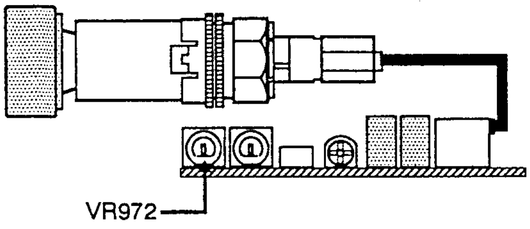
Adjustment:

1. Loosen the yoke clamp, then move the deflection coil in the direction of arrow A, and adjust the horizontal size within 87.5 to 92.5 on the horizontal size scale of the monoscope signal.
2. Turn the deflection coil so that picture slant is within 0 ± 1.5 °. (The difference between right and left should be within 0.5 on the vertical size scale of the monoscope signal).
3. Fix the deflection coil with the yoke clamp.


Vertical size scale
Horizontal size scale

5. Vertical Size Adjustment

[Adjusting Location]

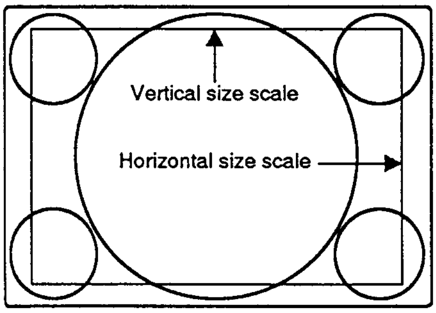


[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
Viewfinder		Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check, monoscope portion	
ADJ. Location	**ADJ. / Check Value**	
VR972		

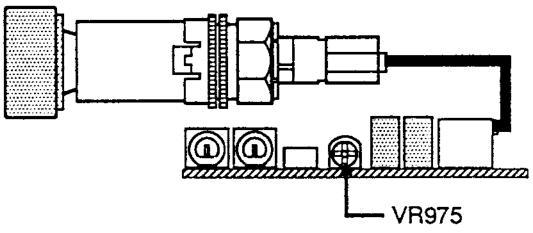
Preparation:
- POWER switch: "PLAYER"

Adjustment:
1. Turn and adjust VR972 within 87.5 to 92.5 on the vertical size scale of the monoscope signal.



6. Brightness Adjustment

[Adjusting Location]



[Adjustment / Check]

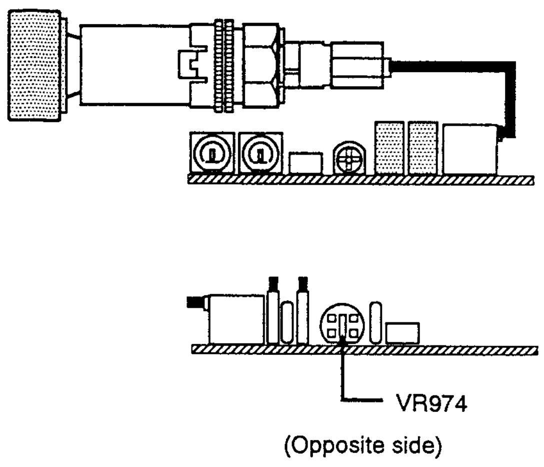
Measuring Point	Measuring Equipment	Condition
Viewfinder		Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check, monoscope portion	
ADJ. Location	**ADJ. / Check Value**	
VR975		

Preparation:
- POWER switch: "PLAYER"

Adjustment:
1. Adjust to adequate brightness with VR975.

7. Focus Adjustment

[Adjusting Location]

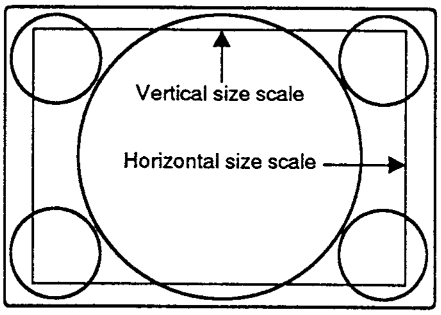

VR974
(Opposite side)

[Adjustment / Check]

Measuring Point	Measuring Equipment	Condition
Viewfinder		Playback
	Input Signal / Alignment Tape	
	(WR5-5CSP): For operation check, monoscope portion	
ADJ. Location	**ADJ. / Check Value**	
VR974		

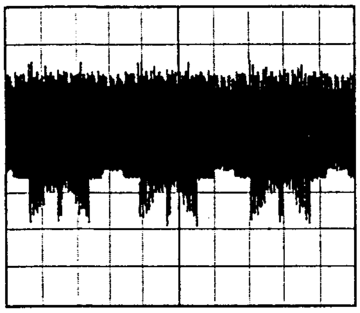
Preparation:
- POWER switch: "PLAYER"

Adjustment:
1. Adjust VR974 so as to optimize resolution of the monoscope pattern.

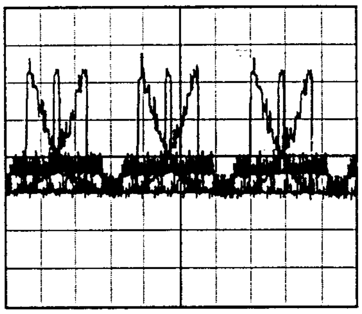

Vertical size scale
Horizontal size scale

6. WAVEFORM

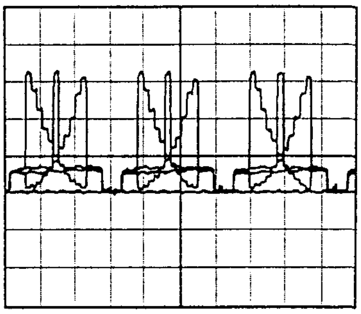
6-1. CAMERA CIRCUIT (CA1 BOARD)



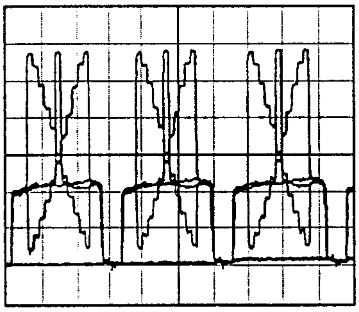
① *Q9160 880mVp-p*
0.2V/20μs/div.
[Gray Scale Chart]



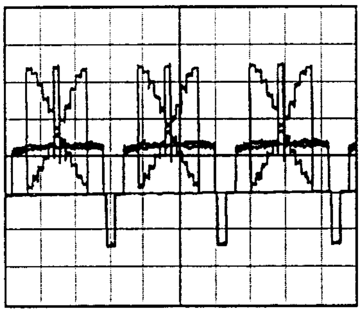
② *IC917-3 700mVp-p*
0.2V/20μs/div.
[Gray Scale Chart]



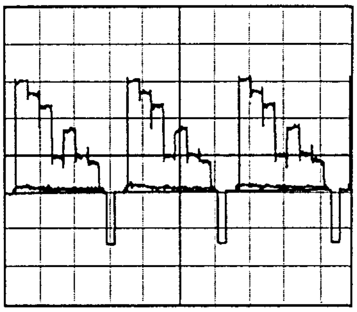
③ *IC914-64 320mVp-p*
0.1V/20μs/div.
[Gray Scale Chart]



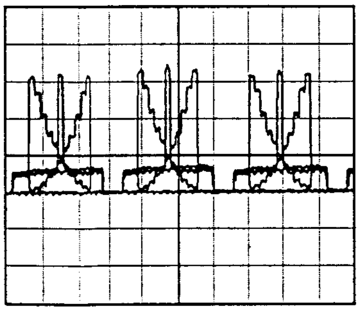
④ *IC914-6 1360mVp-p*
0.2V/20μs/div.
[Gray Scale Chart]



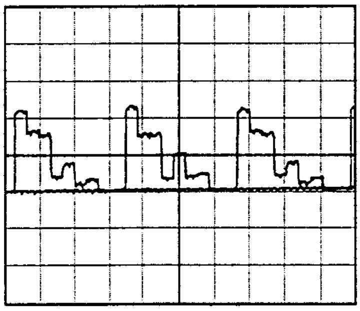
⑤ *IC912-22 960mVp-p*
0.2V/20μs/div.
[Gray Scale Chart]



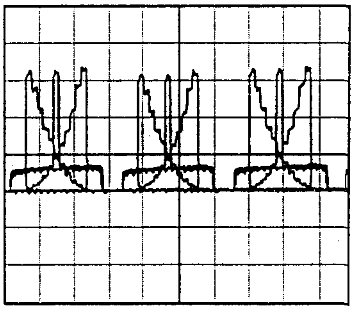
⑤ *IC912-22 880mVp-p*
0.2V/20μs/div.
[Color Bar Chart]



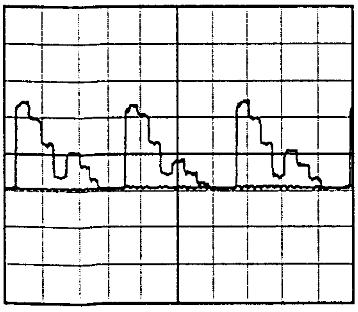
⑥ *IC917-4 660mVp-p*
0.2V/20μs/div.
[Gray Scale Chart]



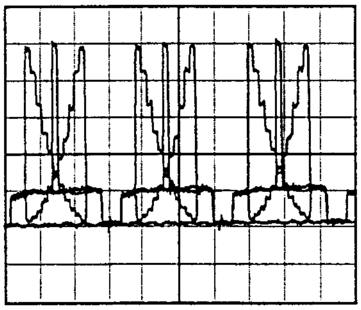
⑥ *IC917-4 480mVp-p*
0.2V/20μs/div.
[Color Bar Chart]



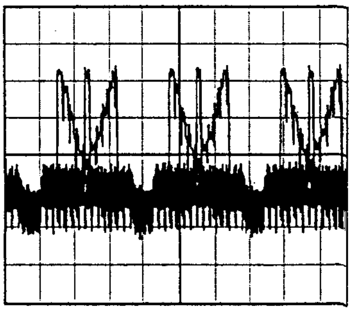
⑦ *IC917-5 640mVp-p*
0.2V/20μs/div.
[Gray Scale Chart]



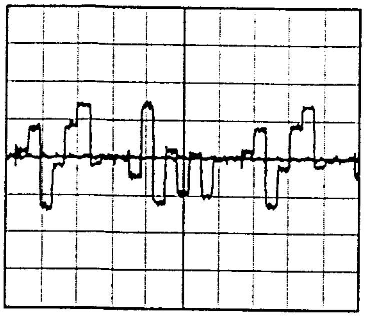
⑦ *IC917-5 480mVp-p*
0.2V/20μs/div.
[Color Bar Chart]



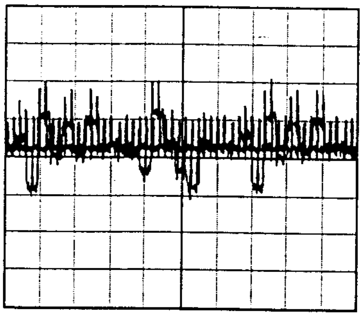
⑧ *IC914-52 250mVp-p*
50mV/20μs/div.
[Gray Scale Chart]



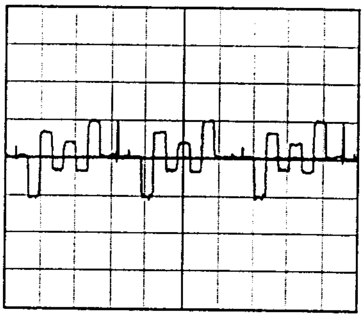
⑨ *Q9112 180mVp-p*
50mV/20μs/div.
[Gray Scale Chart]



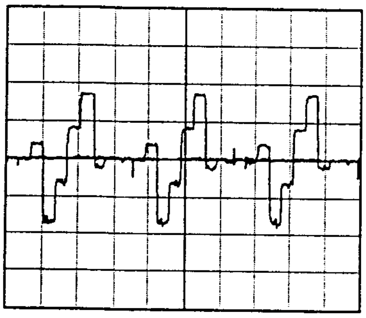
⑩ IC914-46 140mVp-p
50mV/20µs/div.
[Color Bar Chart]



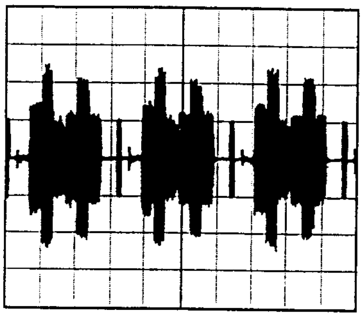
⑪ Q9111 100mVp-p
50mV/20µs/div.
[Color Bar Chart]



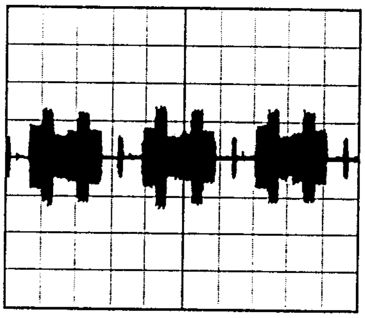
⑫ IC914-19 400mVp-p
0.2V/20µs/div.
[Color Bar Chart]



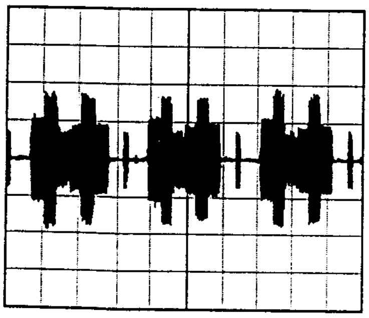
⑬ IC914-20 700mVp-p
0.2V/20µs/div.
[Color Bar Chart]



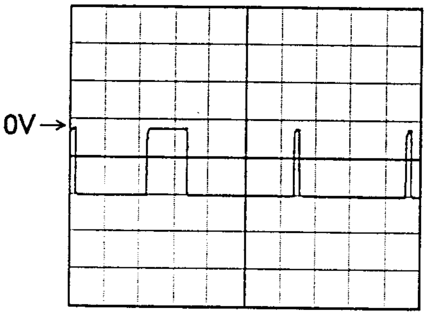
⑭ IC912-16 960mVp-p
0.2V/20µs/div.
[Color Bar Chart]



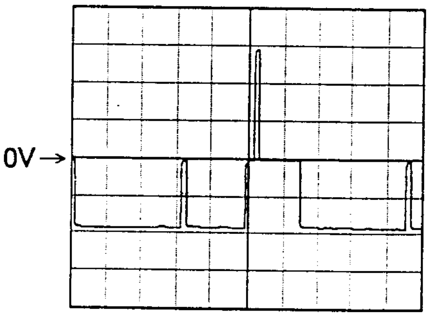
⑮ IC912-18 540mVp-p
0.2V/20µs/div.
[Color Bar Chart]



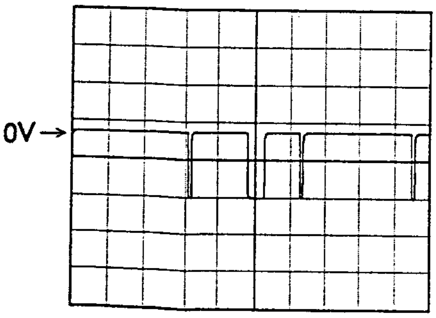
⑯ IC912-20 680mVp-p
0.2V/20µs/div.
[Color Bar Chart]



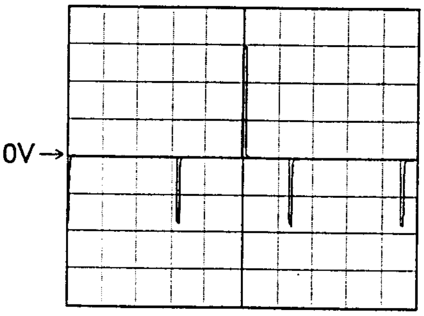
⑰ IC919-3 9.0Vp-p
5.0V/20µs/div.



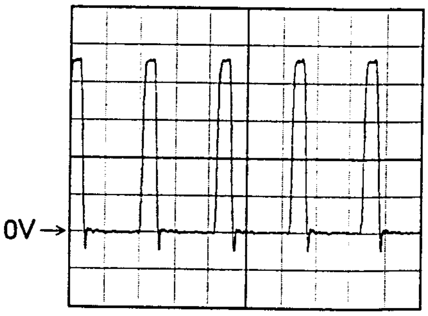
⑱ IC919-4 24.0Vp-p
5.0V/20µs/div.



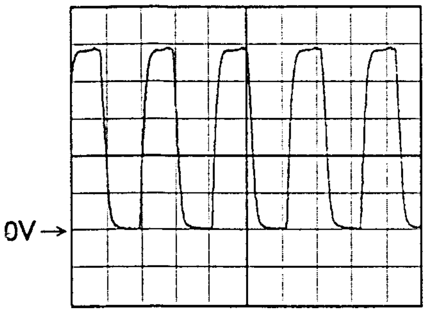
⑲ IC919-5 9.0Vp-p
5.0V/20µs/div.



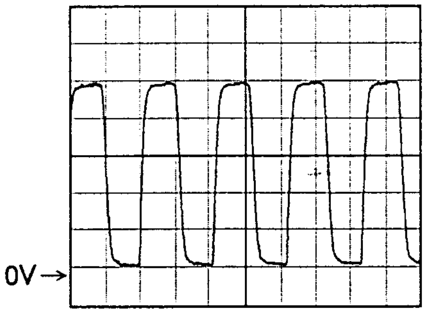
⑳ IC919-6 24.0Vp-p
5.0V/20µs/div.



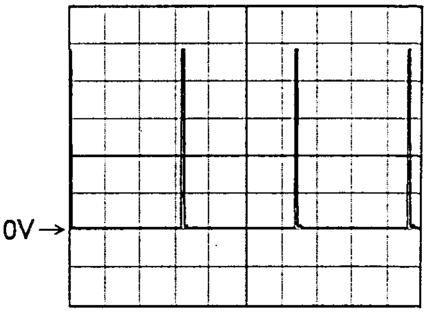
㉑ IC919-13 4.6Vp-p
1.0V/50ns/div.



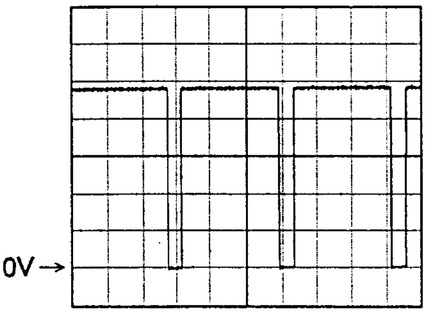
㉒ *IC919-17 4.9Vp-p*
1.0V/50ns/div.



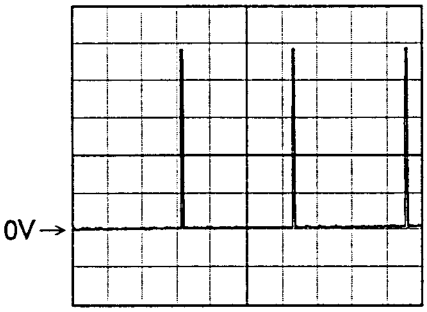
㉓ *IC919-18 4.9Vp-p*
1.0V/50ns/div.



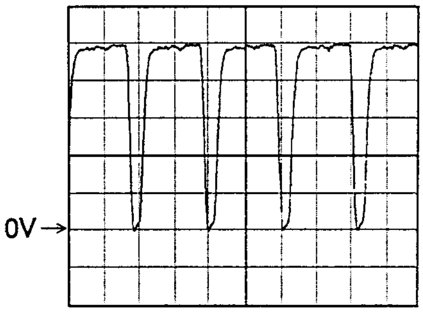
㉔ *IC917-13 5.0Vp-p*
1.0V/20µs/div.



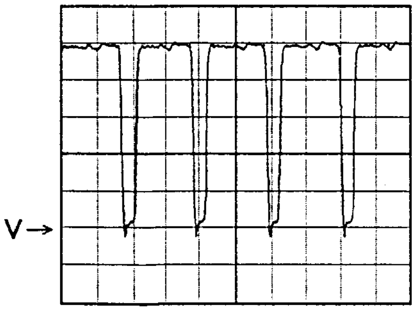
㉕ *IC917-14 4.8Vp-p*
1.0V/20µs/div.



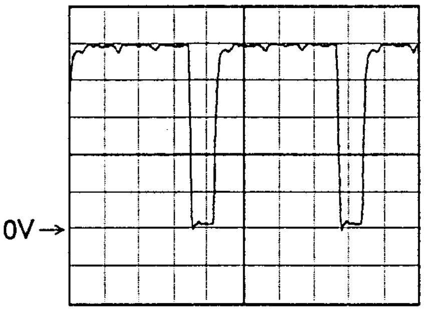
㉖ *IC917-36 4.8Vp-p*
1.0V/20µs/div.



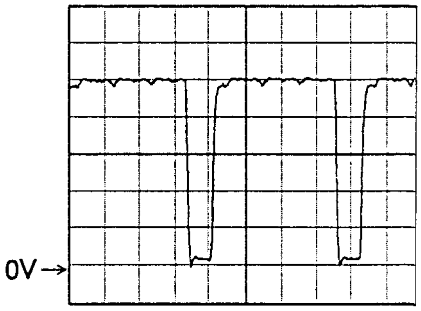
㉗ *IC917-34 5.0Vp-p*
1.0V/50ns/div.



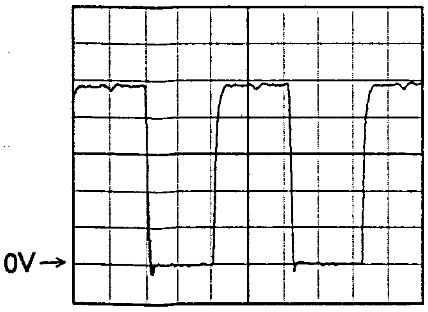
㉘ *IC917-35 5.0Vp-p*
1.0V/50ns/div.



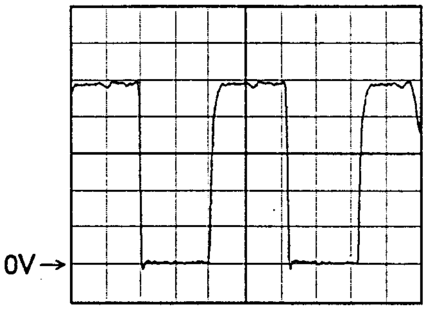
㉙ *IC917-42 5.0Vp-p*
1.0V/50ns/div.



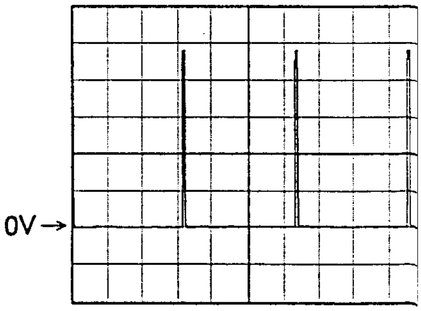
㉚ *IC917-41 5.0Vp-p*
1.0V/50ns/div.



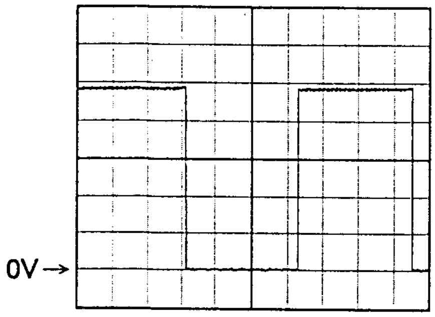
㉛ *IC917-1 5.0Vp-p*
1.0V/50ns/div.



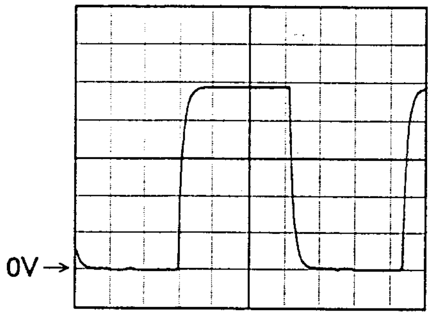
㉜ *IC917-48 5.0Vp-p*
1.0V/50ns/div.



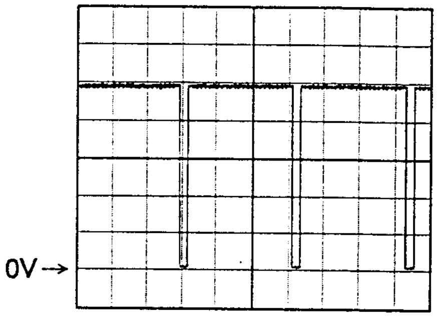
㉝ *IC914-10 4.8Vp-p*
1.0V/20µs/div.



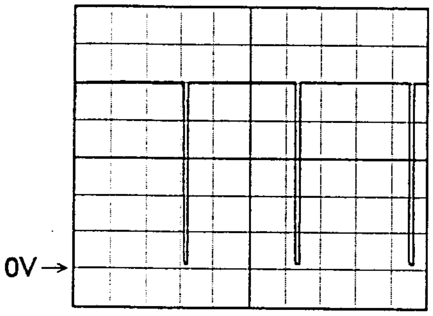
㉞ *IC914-41 4.8Vp-p*
1.0V/20µs/div.



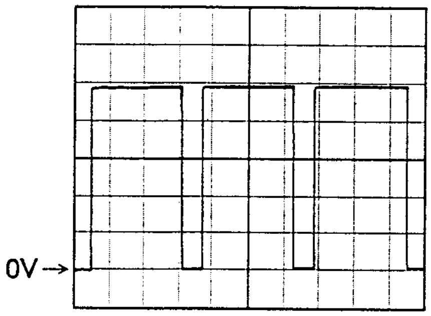
㉟ *IC912-5 4.9Vp-p*
1.0V/20µs/div.



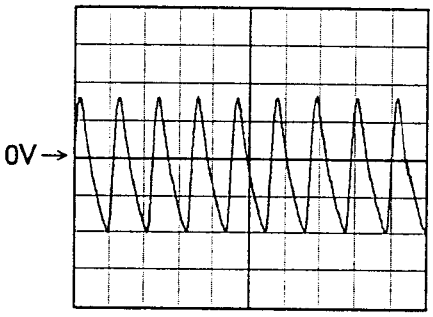
㊱ *IC912-9 4.8Vp-p*
1.0V/20µs/div.



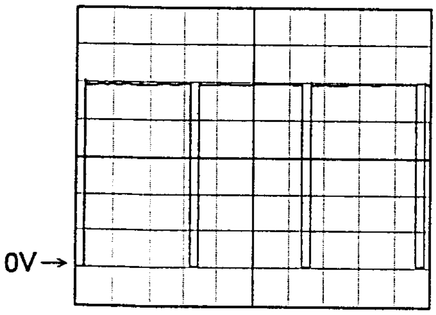
㊲ *IC912-10 4.9Vp-p*
1.0V/20µs/div.



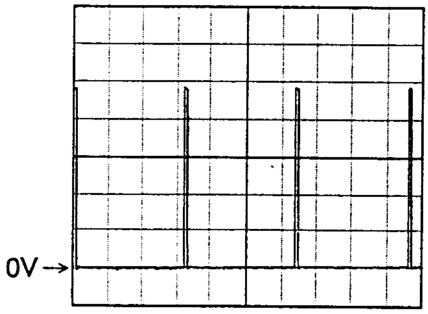
㊳ *IC912-11 4.9Vp-p*
1.0V/20µs/div.



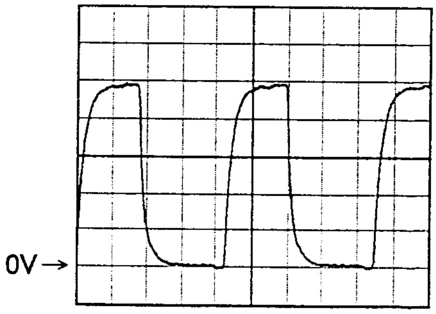
㊴ *IC912-4 720mVp-p*
0.2V/50ns/div.



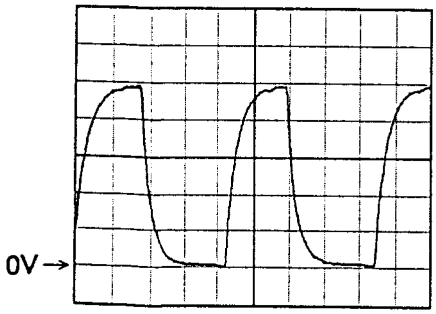
㊵ *IC912-25 4.9Vp-p*
1.0V/20µs/div.



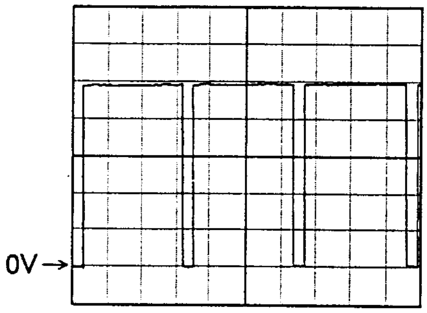
㊶ *IC913-7 4.8Vp-p*
1.0V/20µs/div.



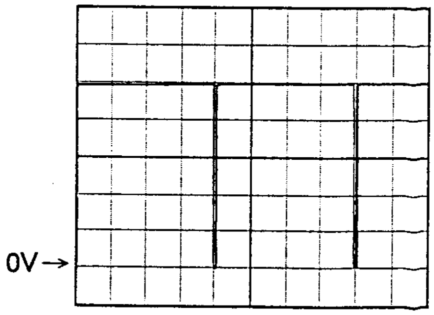
㊷ *IC913-19 4.9Vp-p*
1.0V/50ns/div.



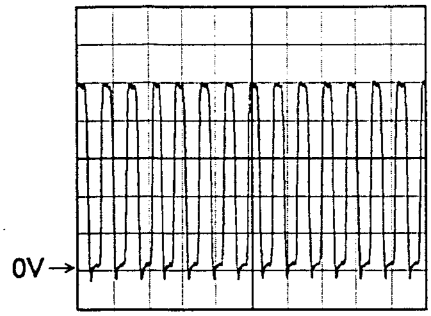
㊸ *IC913-18 4.9Vp-p*
1.0V/50ns/div.



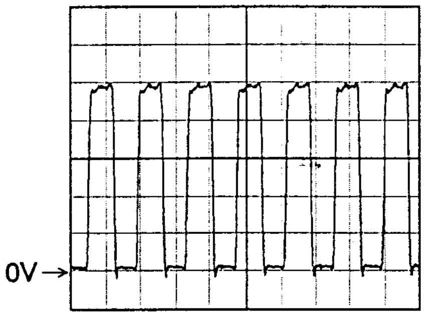
㊹ *IC915-29 4.9Vp-p*
1.0V/20µs/div.



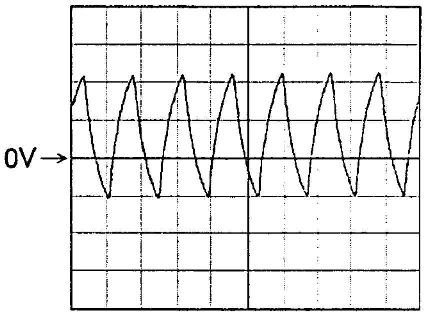
㊺ *IC915-30 4.9Vp-p*
1.0V/5ms/div.



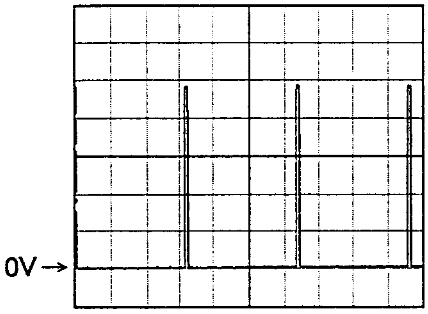
㊻ IC916-63 5.0Vp-p
1.0V/50ns/div.



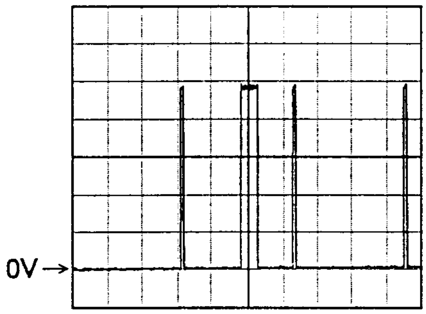
㊼ IC916-57 5.0Vp-p
1.0V/50ns/div.



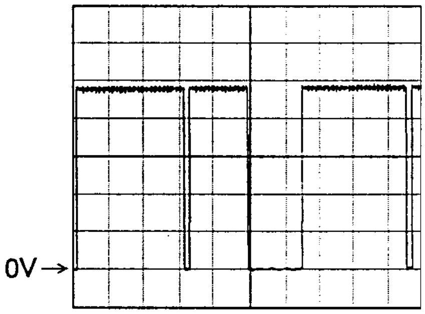
㊽ IC915-6 3.2Vp-p
1.0V/50ns/div.



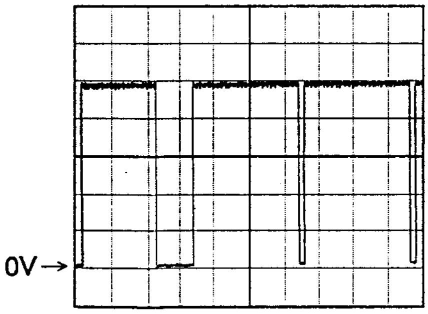
㊾ IC916-31 4.8Vp-p
1.0V/20μs/div.



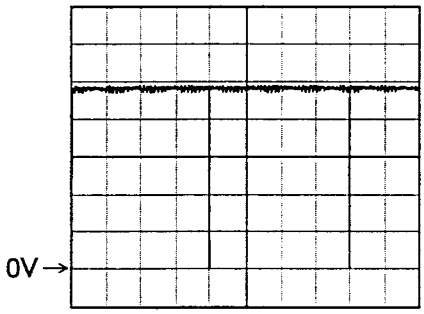
㊿ IC916-30 4.8Vp-p
1.0V/20μs/div.



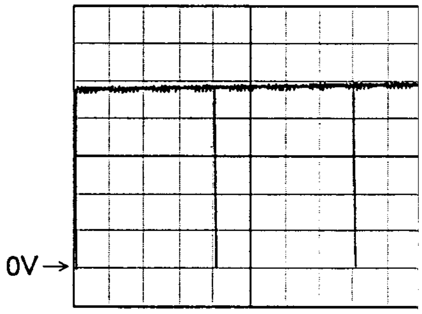
(51) IC916-33 4.8Vp-p
1.0V/20μs/div.



(52) IC916-35 4.8Vp-p
1.0V/20μs/div.

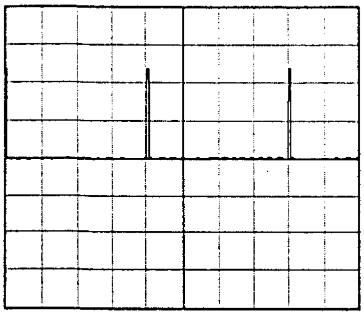


(53) IC916-32 4.8Vp-p
1.0V/5ms/div.

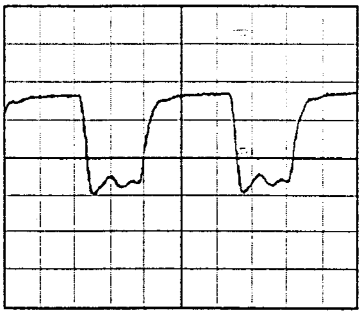


(54) IC916-34 4.8Vp-p
1.0V/5ms/div.

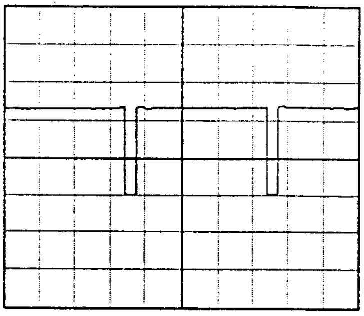
(TC1 BOARD)



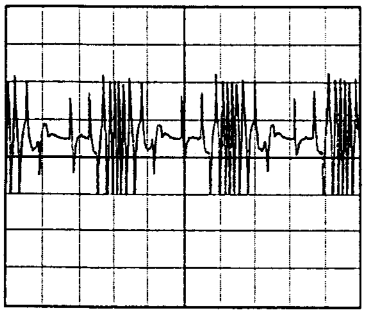
① *IC931-7 4.97Vp-p*
2.0V/5ms/div.



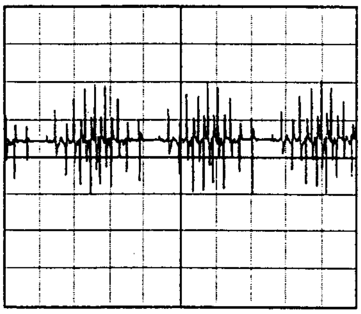
② *IC931-27 5.47Vp-p*
2.0V/20ns/div.



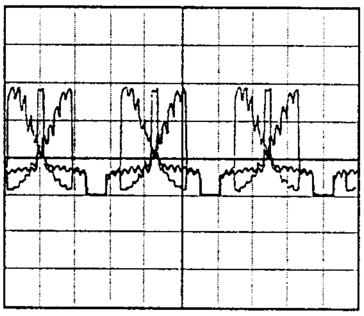
③ *IC931-30 4.81Vp-p*
2.0V/5ms/div.



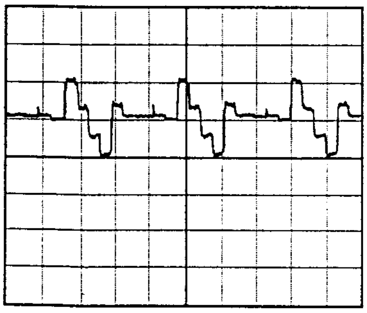
④ *IC931-34 3.25Vp-p*
1.0V/20µs/div.



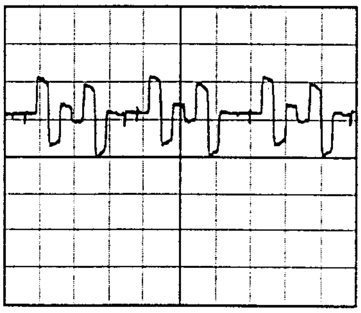
⑤ *IC931-35 1.5Vp-p*
0.5V/20µs/div.



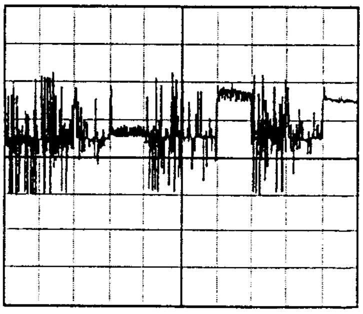
⑥ *IC931-40 1.44Vp-p*
0.5V/20µs/div.
[Gray Scale Chart]



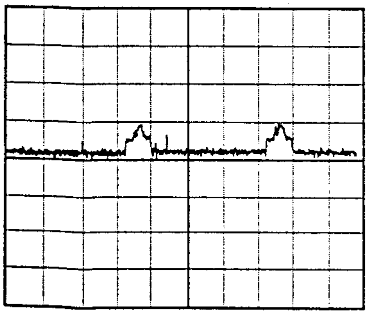
⑦ *IC931-43 2.12Vp-p*
1.0V/20µs/div.
[Color Bar Chart]



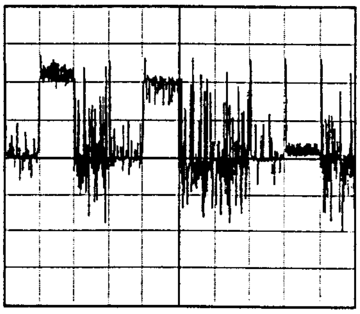
⑧ *IC931-45 2.15Vp-p*
1.0V/20µs/div.
[Color Bar Chart]



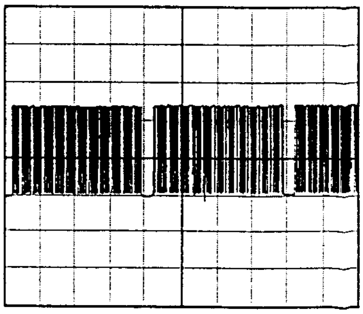
⑨ *IC931-50 3.33Vp-p*
1.0V/20ms/div.



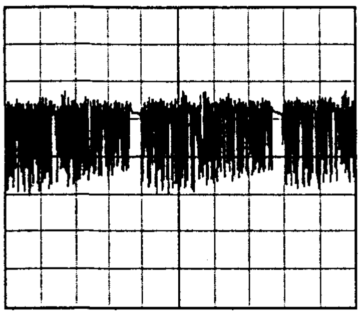
⑩ *IC931-51 43.5mVp-p*
50mV/5ms/div.



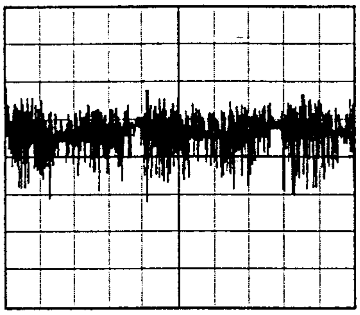
⑪ *IC931-52 2.26Vp-p*
0.5V/20ms/div.



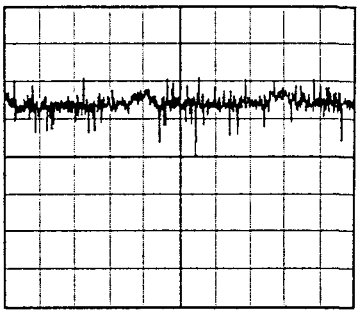
⑫ *IC931-55 4.8Vp-p*
2.0V/5ms/div.



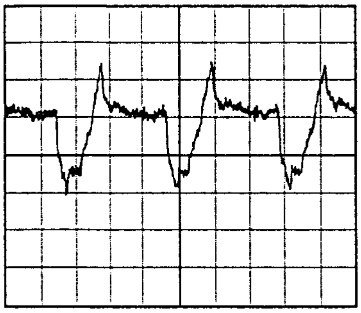
⑬ Q9302-4 277mVp-p
0.1V/5ms/div.



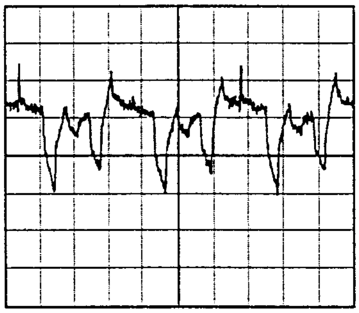
⑭ Q9305-2 58.2mVp-p
20mV/5ms/div.



⑮ Q9306-2 42.4mVp-p
20mV/5ms/div.

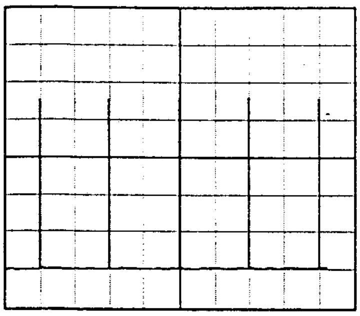


⑯ Q9331-2 70.0mVp-p
20mV/20µs/div.
[Color Bar Chart]

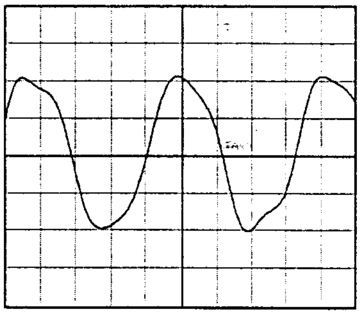


⑰ Q9332-2 69.8mVp-p
20mV/20µs/div.
[Color Bar Chart]

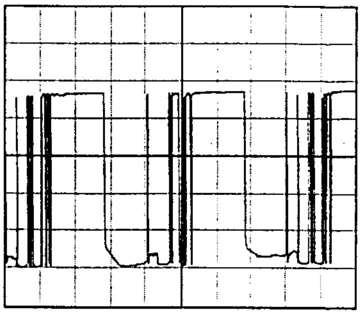
6-2. SERVO/SYSTEM CONTROL CIRCUIT



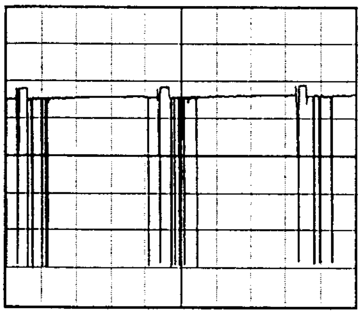
① *IC351-22 4.6Vp-p*
1.0V/10ms/div.



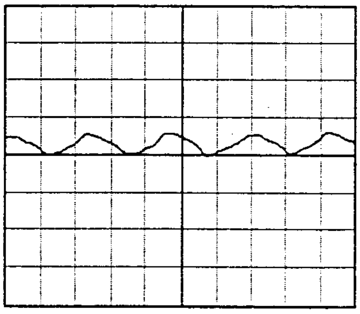
② *IC351-42 4.2Vp-p*
1.0V/20ns/div.



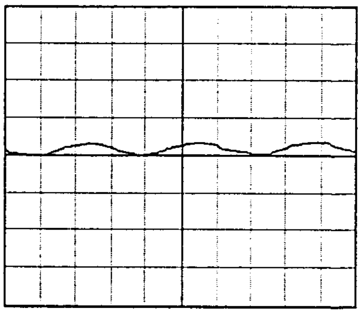
③ *IC351-46 4.65Vp-p*
1.0V/5ms/div.



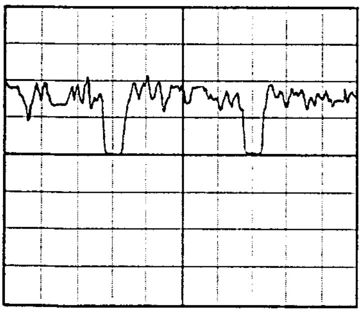
④ *IC351-47 4.9Vp-p*
1.0V/5ms/div.



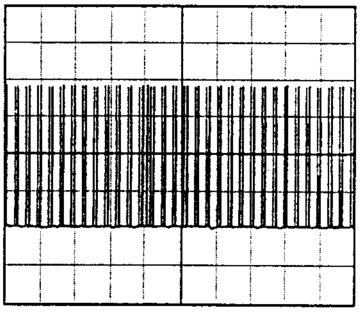
⑤ *IC351-60 542mVp-p*
1.0V/500ms/div.
[REC/PLAY]



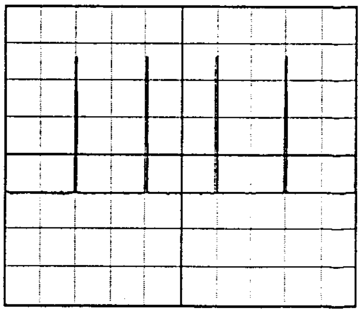
⑥ *IC351-61 291mVp-p*
1.0V/500ms/div.
[REC/PLAY]



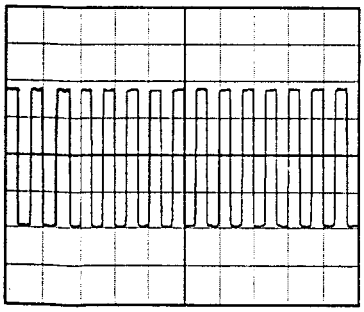
⑦ *IC351-62 2.05Vp-p*
1.0V/5ms/div.
[PLAY]



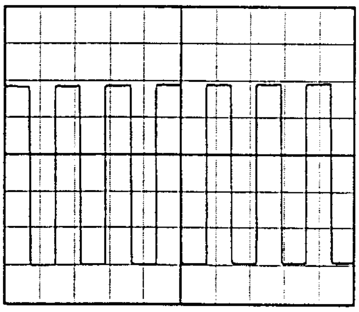
⑧ *IC351-66 3.8Vp-p*
1.0V/5ms/div.



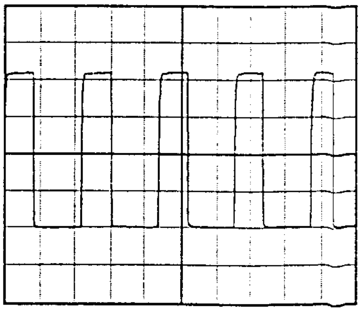
⑨ *IC351-68 3.67Vp-p*
1.0V/20ms/div.
[REC/PLAY]



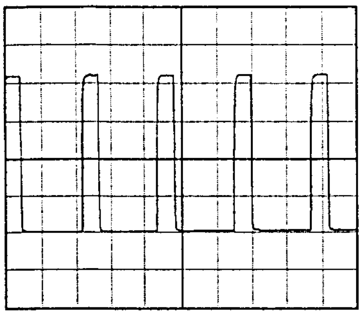
⑩ *IC351-69 3.68Vp-p*
1.0V/5ms/div.
[REC/PLAY]



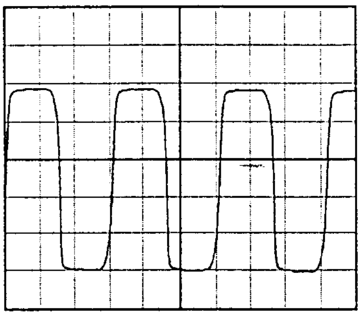
⑪ *IC351-70 4.86Vp-p*
1.0V/500μs/div.
[REC/PLAY]



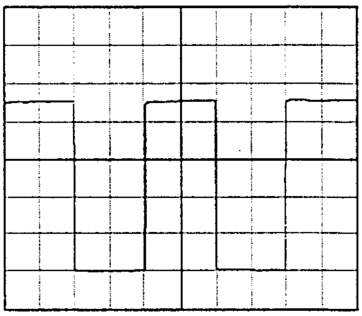
⑫ *IC351-75 4.19Vp-p*
1.0V/10μs/div.
[REC/PLAY]



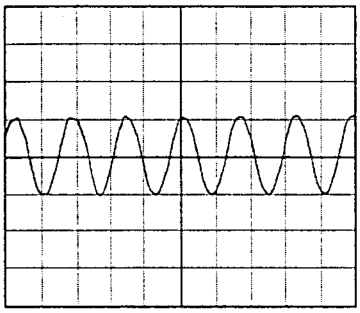
⑬ IC351-76 4.19Vp-p
1.0V/10μs/div.
[REC/PLAY]



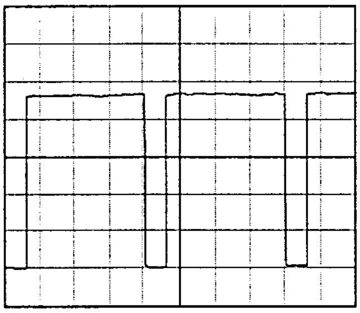
⑭ IC351-87 4.89Vp-p
1.0V/10μs/div.



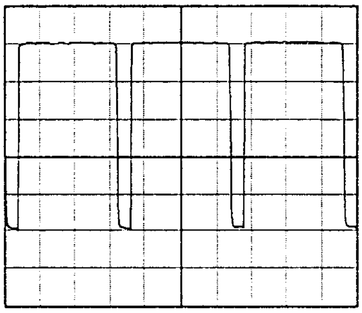
⑮ IC351-95 4.57Vp-p
1.0V/10ms/div.
[REC/PLAY]



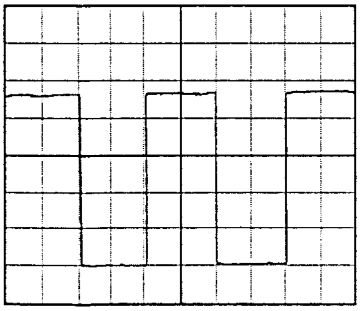
⑯ IC325-6 2.19Vp-p
1.0V/100ns/div.



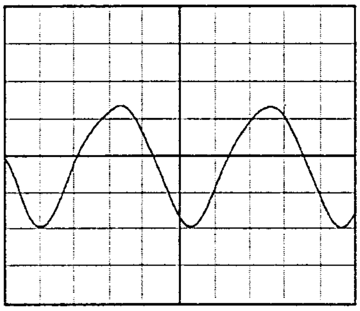
⑰ IC325-15 4.65Vp-p
1.0V/5ms/div.



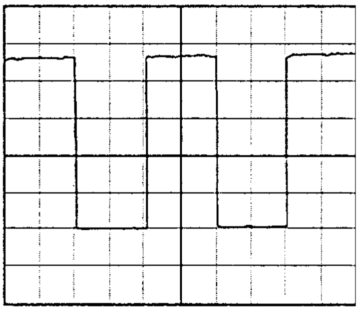
⑱ IC325-16 4.95Vp-p
1.0V/20μs/div.



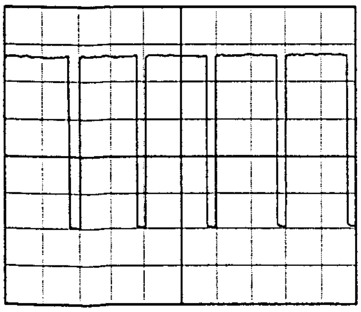
⑲ IC361-7 4.65Vp-p
1.0V/10ms/div.
[PLAY]



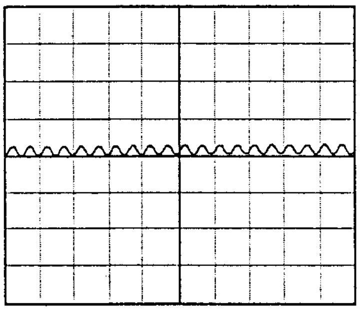
⑳ IC361-8 3.3Vp-p
1.0V/20ns/div.



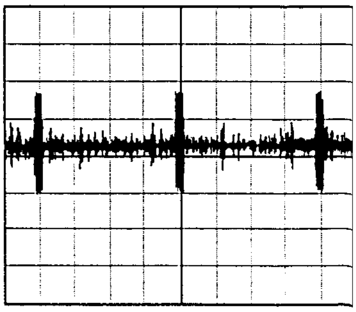
㉑ IC361-9 4.65Vp-p
1.0V/20ms/div.
[PLAY]



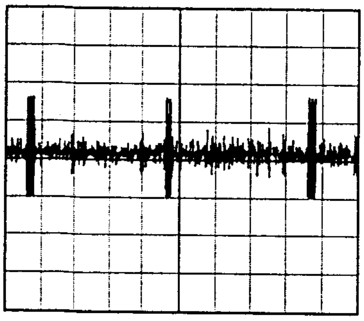
㉒ IC361-18 4.65Vp-p
1.0V/10ms/div.
[PLAY]



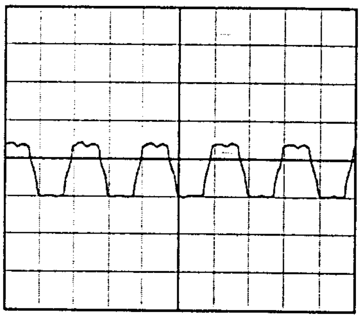
㉓ IC361-21 264mVp-p
1.0V/20μs/div.
[REC]



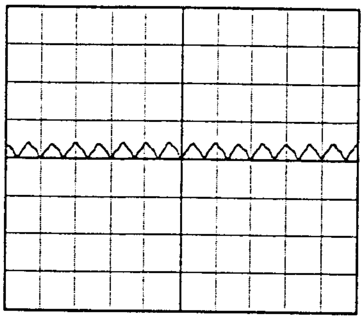
㉔ IC361-38 2.73Vp-p
1.0V/10ms/div.
[PLAY]



㉕ *IC361-41 2.73Vp-p*
1.0V/10ms/div.
[PLAY]

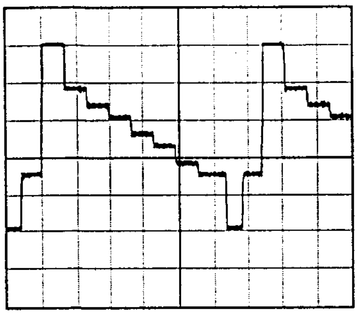


㉖ *IC371-14,16,18 1.45Vp-p*
1.0V/5ms/div.
[REC/PLAY]

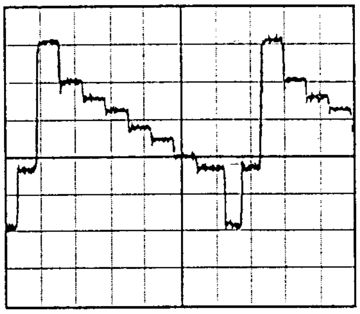


㉗ *IC371-23 430mVp-p*
1.0V/5ms/div.
[REC/PLAY]

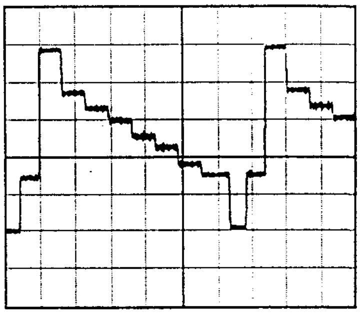
6-3. VIDEO CIRCUIT



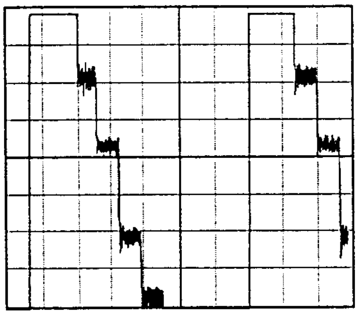
① *TP103 500mVp-p*
0.1V/10µs/div.
[REC]



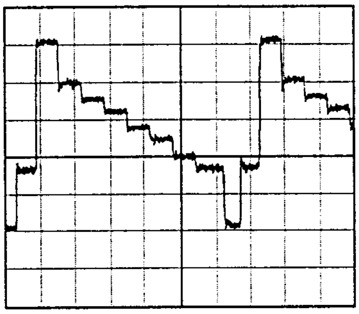
① *TP103 500mVp-p*
0.1V/10µs/div.
[PLAY]



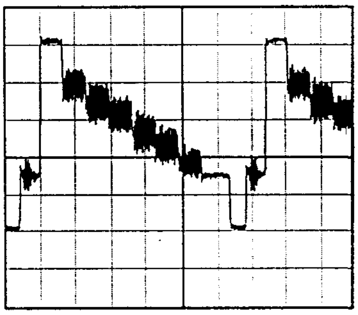
② *TP101 500mVp-p*
0.1V/10µs/div.



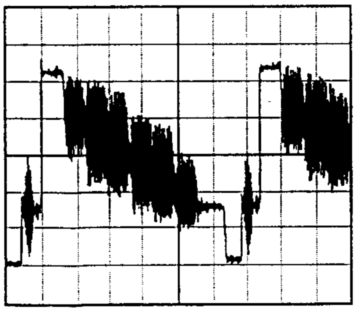
③ *TP102 6.86mVp-p*
50mV/10µs/div.
[REC]



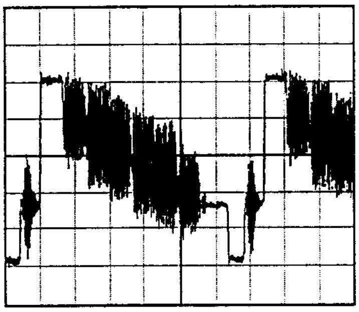
④ *TP106 500mVp-p*
0.1V/10µs/div.
[PLAY]



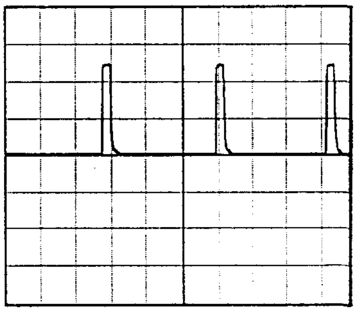
⑤ *IC101-17 500mVp-p*
0.1V/10µs/div.
[PLAY]



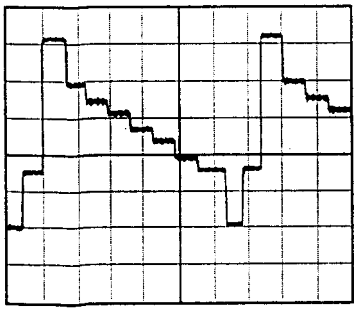
⑥ *IC101-19 500mVp-p*
0.1V/10µs/div.
[PLAY]



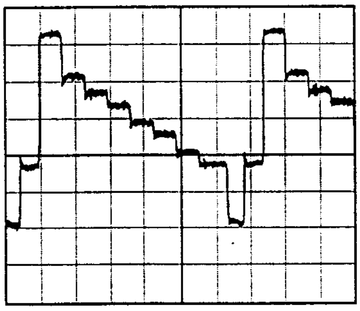
⑦ *IC101-21 500mVp-p*
0.1V/10µs/div.
[PLAY]



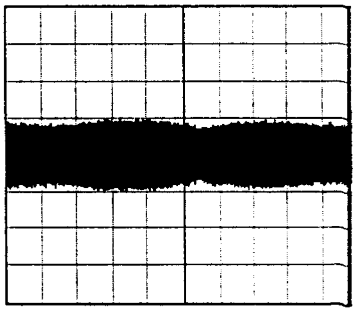
⑧ *TP105 2.5Vp-p*
1.0V/20µs/div.
[REC]



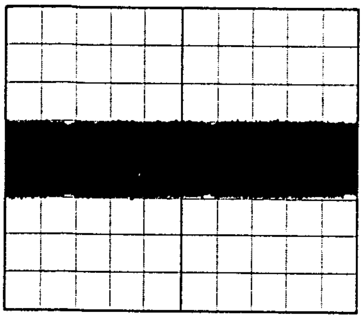
⑨ *IC101-28 500mVp-p*
0.1V/10µs/div.
[REC]



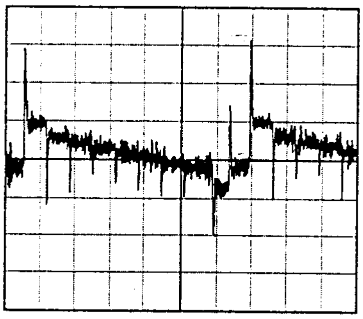
⑨ *IC101-28 500mVp-p*
0.1mV/10µs/div.
[PLAY]



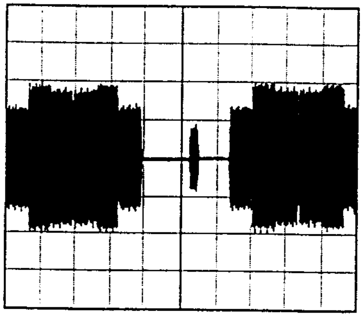
⑩ *TP135 142mVp-p*
0.1V/5ms/div.
[PLAY]



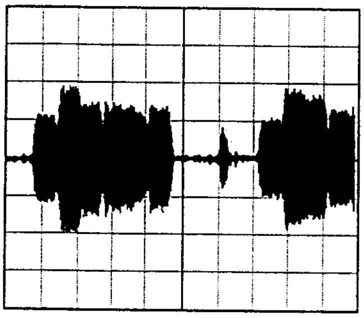
⑪ *TP136 190mVp-p*
0.1V/5ms/div.
[PLAY]



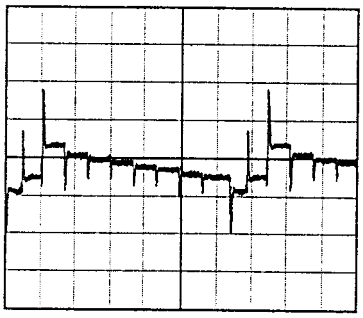
⑫ *IC101-50 550mVp-p*
0.1V/10μs/div.
[PLAY]



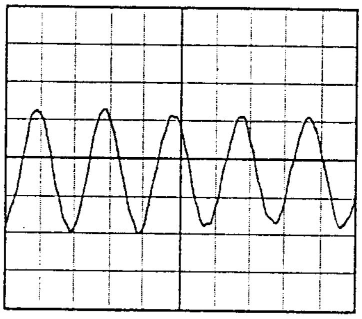
⑬ *IC101-52 420mVp-p*
0.1V/10μs/div.
[REC]



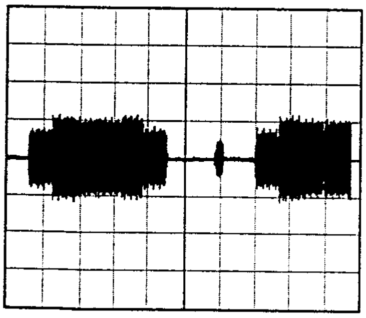
⑬ *IC101-52 410mVp-p*
0.1V/10μs/div.
[PLAY]



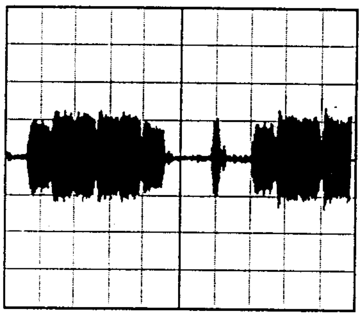
⑭ *IC101-57 796mVp-p*
0.2V/10μs/div.
[REC]



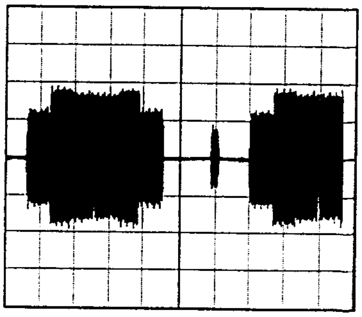
⑮ *IC121-4 155mVp-p*
50mV/100ns/div.
[REC]



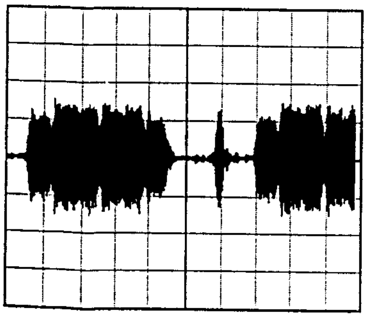
⑯ *IC121-30 240mVp-p*
0.1V/10μs/div.
[REC]



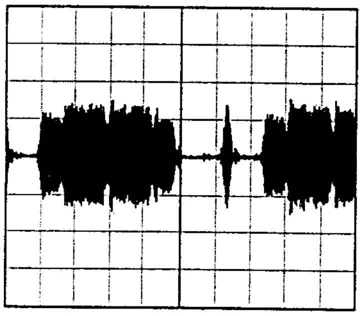
⑯ *IC121-30 260mVp-p*
0.1V/10μs/div.
[PLAY]



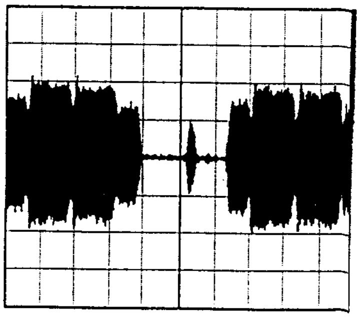
⑰ *IC121-32 400mVp-p*
0.1V/10μs/div.
[REC]



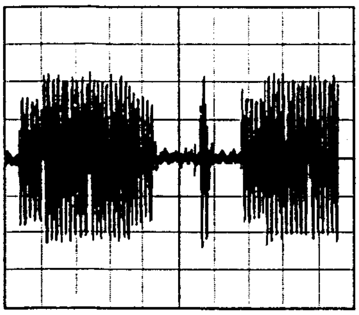
⑰ *IC121-32 300mVp-p*
0.1V/10μs/div.
[PLAY]



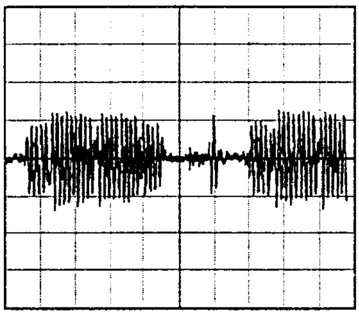
⑱ *IC121-34 170mVp-p*
50mV/10μs/div.
[PLAY]



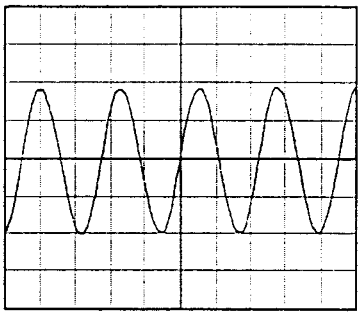
⑲ *IC121-38 170mVp-p*
0.1V/10μs/div.
[PLAY]



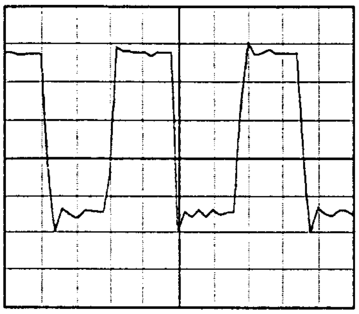
⑳ *IC121-40 530mVp-p*
0.1V/10µs/div.
[REC]



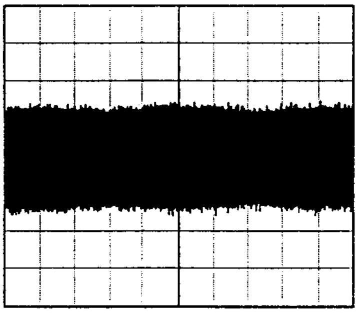
㉑ *IC121-42 100mVp-p*
50mV/10µs/div.
[PLAY]



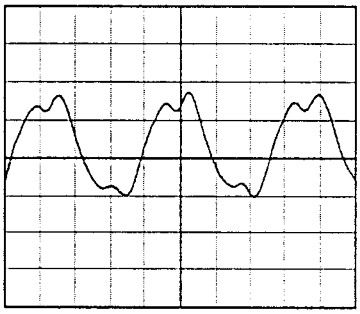
㉒ *TP125 384mVp-p*
0.1V/100ns/div.
[REC]



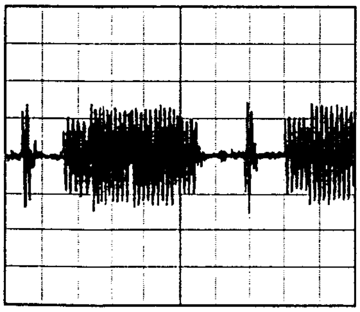
㉓ *IC101-43 500mVp-p*
0.1V/50ns/div.
[REC]



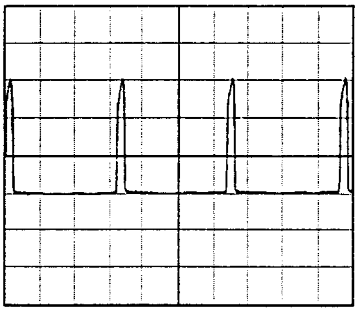
㉓ *IC101-43 440mVp-p*
0.2V/5ms/div.
[PLAY]



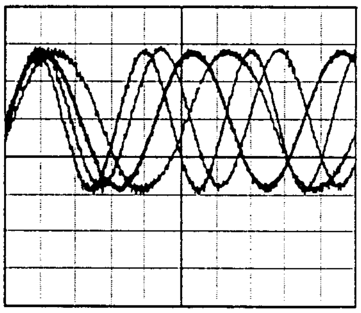
㉔ *TP131 265mVp-p*
0.1V/50ns/div.
[REC]



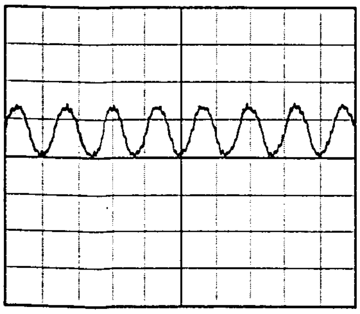
㉕ *TP132 145mVp-p*
50mV/10µs/div.
[REC]



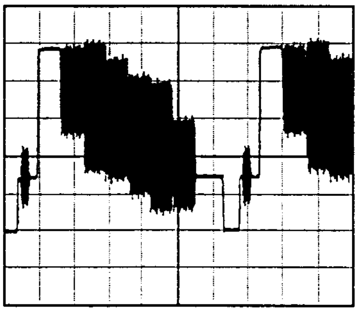
㉖ *IC161-10 3.0Vp-p*
1.0V/20µs/div.
[PLAY]



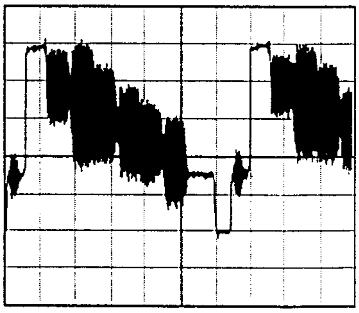
㉗ *TP134 180mVp-p*
50mV/2µs/div.
[REC]



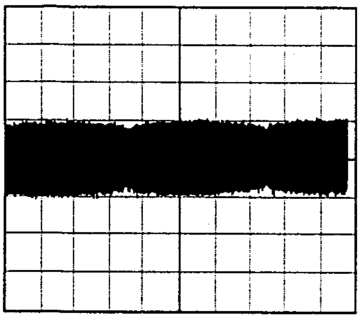
㉘ *TP133 29.9mVp-p*
20mV/500ns/div.
[REC]



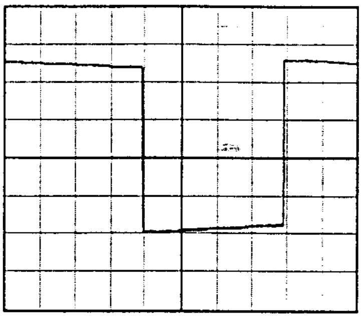
㉙ *TP141 1.0Vp-p*
0.2V/10µs/div.
[REC]



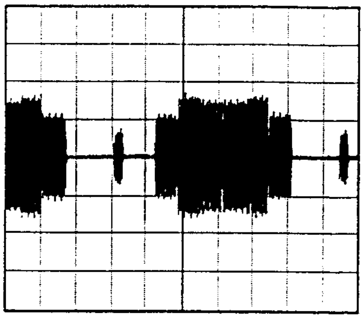
㉙ *TP141 1.0Vp-p*
0.2V/10µs/div.
[PLAY]



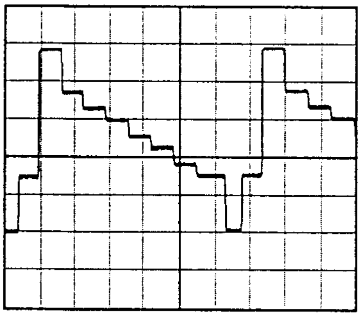
㉚ *CN109-3 800mVp-p*
0.5V/5ms/div.
[PLAY]



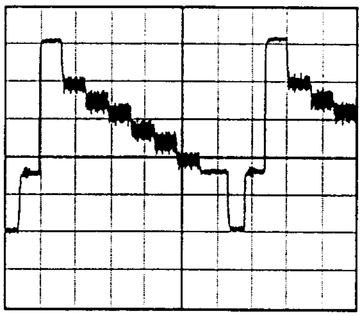
㉛ *J1005 4.3Vp-p*
1.0V/5ms/div.
[PLAY]



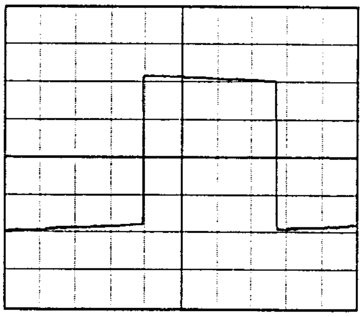
㉜ *CN105-6 976mVp-p*
0.2V/10µs/div.
[REC]



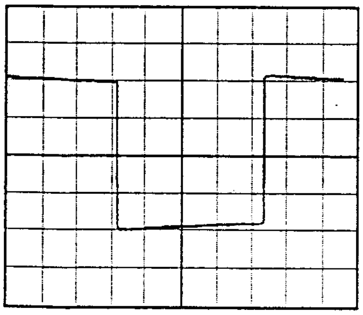
㉝ *CN105-8 976mVp-p*
0.2V/10µs/div.
[REC]



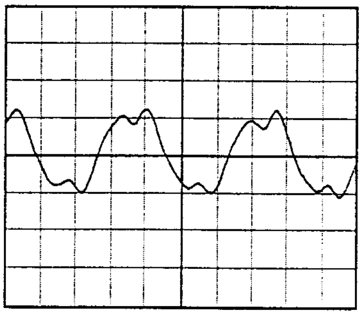
㉞ *CN108-3 1.02Vp-p*
0.2V/10µs/div.
[REC]



㉟ *IC191-45 3.9Vp-p*
1.0V/5ms/div.
[REC]

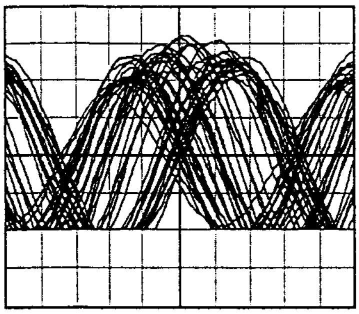


㊱ *IC191-47 3.9Vp-p*
1.0V/5ms/div.
[REC]

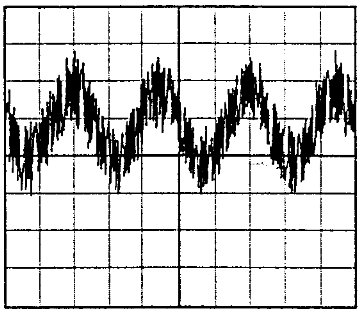


㊲ *TP191 220mVp-p*
0.1V/50ns/div.
[REC]

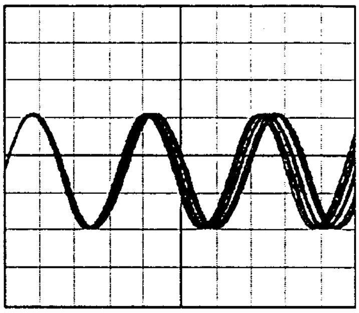
6-4. AUDIO CIRCUIT



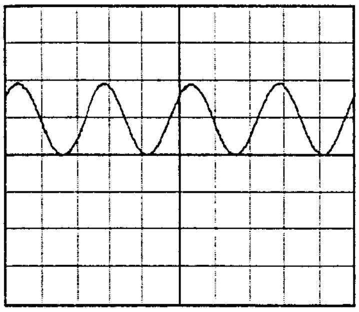
① *IC201-4 50.7mVp-p*
10mV/100ns/div.



② *IC201-6 799mVp-p*
200mV/1ms/div.

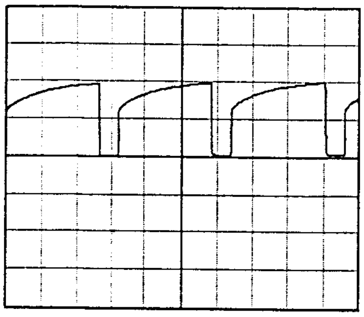


③ *IC201-8 314mVp-p*
100mV/200ns/div.

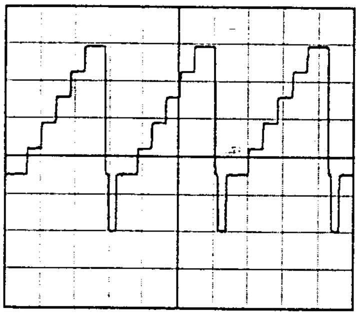


④ *IC201-33 384mVp-p*
150mV/1ms/div.

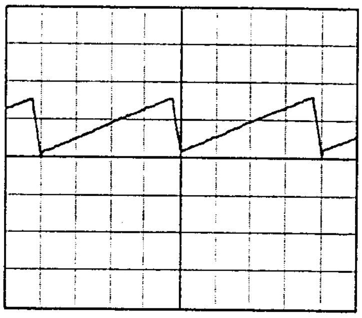
6-5. VIEWFINDER CIRCUIT



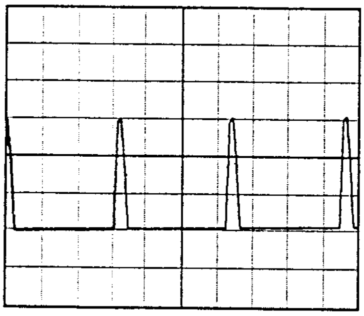
① *IC971-16 2.0Vp-p*
1.0V/20μs/div.



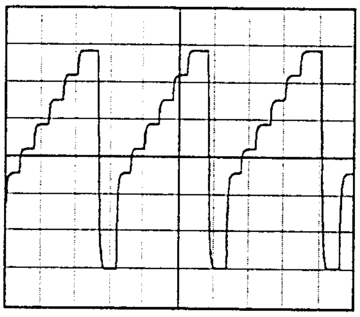
② *IC971-11 0.98Vp-p*
0.2V/20μs/div.



③ *CN972-1 1.5Vp-p*
1.0V/5ms/div.



④ *FBT-4 60.0Vp-p*
20.0V/20μs/div.



⑤ *D9701 Cathode 11.5Vp-p*
2.0V/20μs/div.

7. VOLTAGE CHART

7-1. CAMERA CIRCUIT (TC-1 BOARD)

MODE	CAMERA		MODE	CAMERA	
PIN NO.	CAMERA ON	STOP	PIN NO.	CAMERA ON	STOP
IC931			50	2.8	–
1	4.8	4.8	51	4.8	–
2	4.8	4.8	52	2.8	–
3	4.8	4.8	53	–	–
4	4.8	4.8	54	2.7	2.7
5	4.8	4.8	55	3.8	–
6	4.8	4.8	56	4.8	4.8
7	0.7	–	57	–	–
8	0.0	0.0	58	2.3	–
9	4.8	4.8	59	2.5	–
10	4.8	–	60	4.8	4.8
11	4.8	–	61	0.0	0.0
12	4.8	–	62	0.0	0.0
13	4.8	–	63	0.0	0.0
14	4.8	–	64	0.0	0.0
15	4.8	–	IC932		
16	4.8	–	1	2.6	–
17	0.0	0.0	2	3.8	–
18	4.8	–	3	2.7	–
19	1.6	–	4	0.0	–
20	4.8	4.8	5	0.2	–
21	0.0	0.0	6	–	–
22	0.0	0.0	7	4.8	–
23	4.8	4.8	8	4.4	–
24	4.8	4.8	9	4.8	–
25	4.8	4.8	10	4.8	0.0
26	0.0	0.0	11	0.0	–
27	2.7	–	12	4.8	–
28	4.8	–	13	4.8	–
29	4.8	–	14	–	–
30	4.5	–	15	2.7	–
31	0.1	–	16	0.0	0.0
32	0.0	0.0	17	0.0	0.0
33	–	–	18	0.2	–
34	2.7	2.7	19	0.0	–
35	2.7	2.7	20	4.8	–
36	–	–	21	4.8	–
37	3.7	3.7	22	4.2	–
38	3.7	3.7	23	0.0	–
39	3.9	3.9	24	0.0	–
40	2.9	2.7	25	0.0	–
41	2.7	2.7	26	–	–
42	3.5	–	27	1.6	–
43	3.8	–	28	–	–
44	3.8	3.8	29	4.8	4.8
45	3.8	–	30	4.8	–
46	0.0	0.0	31	4.8	–
47	4.8	4.8	32	4.8	–
48	–	–	33	4.8	–
49	0.0	0.0	34	4.8	–

MODE	CAMERA		MODE	CAMERA	
PIN NO.	CAMERA ON	STOP	PIN NO.	CAMERA ON	STOP
35	4.7	–	IC935		
36	4.7	–	1	4.0	–
37	4.7	–	2	3.0	2.7
38	4.8	4.8	3	3.0	3.0
39	–	–	4	0.0	0.0
40	2.5	–	5	2.9	1.0
41	2.5	–	6	2.9	1.0
42	4.8	–	7	1.5	0.0
43	2.1	–	8	4.8	4.8
44	2.8	–	IC936		
IC933			1	0.0	0.0
1	0.0	–	2	4.8	–
2	4.8	4.8	3	0.0	0.0
3	4.8	4.8	4	0.0	–
4	0.0	–	5	4.8	4.8
5	4.6	–	Q9301		
6	0.0	0.0	1	3.3	2.3
7	4.8	4.8	2	2.7	2.7
8	6.3	6.3	3	0.0	0.0
9	–	–	4	3.3	2.3
10	0.0	0.0	5	3.0	3.0
11	0.2	–	6	0.0	0.0
12	–	–	Q9302		
13	0.3	–	1	0.5	0.0
14	0.2	–	2	1.0	1.0
15	0.0	0.0	3	4.8	4.8
16	–	–	4	2.1	2.1
17	6.3	6.3	5	2.7	2.7
18	0.0	0.0	6	2.7	2.7
19	0.0	0.0	Q9304		
20	4.8	4.8	1	2.1	2.1
21	0.0	0.0	2	2.7	2.7
22	1.9	–	3	4.8	4.8
23	0.0	–	4	2.1	2.1
24	4.8	4.8	5	2.7	2.7
IC934			6	4.8	4.8
1	–	–	Q9305		
2	3.2	3.2	1	0.5	0.5
3	0.0	0.0	2	1.0	1.0
4	0.0	0.0	3	4.8	4.8
5	0.0	0.0	4	2.1	2.1
6	0.0	0.0	5	2.7	2.7
7	0.0	0.0	6	2.7	2.7
8	0.0	0.0	Q9306		
9	4.8	4.8	1	0.5	0.5
10	4.8	–	2	1.0	1.0
11	0.0	–	3	4.8	4.8
12	0.0	–	4	2.1	2.1
13	0.1	–	5	2.7	0.0
14	4.8	4.8	6	2.7	2.7

MODE	CAMERA		MODE	CAMERA	
PIN NO.	CAMERA ON	STOP	PIN NO.	CAMERA ON	STOP
Q9308			E	4.8	4.2
B	3.4	–	Q9322		
C	4.7	4.7	1	–	2.2
E	2.8	–	2	–	2.7
Q9309			3	0.0	0.0
B	2.8	–	4	–	2.8
C	0.0	0.0	5	–	2.2
E	3.4	–	6	4.8	4.8
Q9311			Q9323		
1	2.0	2.0	B	–	–
2	2.7	2.7	C	5.0	–
3	0.0	0.0	E	–	–
4	2.7	2.7	Q9324		
5	2.0	2.0	B	0.0	–
6	4.8	4.8	C	4.8	–
Q9313			E	0.0	0.0
B	3.7	3.7	Q9331		
C	6.3	6.3	1	0.5	0.5
E	4.8	4.8	2	1.0	1.0
Q9314			3	4.8	4.8
B	4.1	–	4	2.1	–
C	0.0	–	5	2.7	–
E	0.0	–	6	2.7	–
Q9320			Q9332		
B	2.2	2.7	1	0.5	0.5
C	4.8	4.8	2	1.0	1.0
E	1.7	4.2	3	4.8	4.8
Q9321			4	2.1	–
B	4.8	4.8	5	2.7	–
C	3.3	4.8	6	2.7	–

7-2. SERVO/SYSTEM CONTROL CIRCUIT

MODE / PIN NO.	SERVO ／ SYSTEM CONTROL						
	STOP	REC	PLAY	REW／ F.FWD	REV／FWD SEARCH	REC PAUSE	PLAY PAUSE
IC325							
1	–	–	–	–	–	–	–
2	–	–	–	–	–	–	–
3	–	–	–	–	–	–	–
4	4.9	4.9	4.9	4.9	4.9	4.9	4.9
5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
6	–	–	–	–	–	–	–
7	–	–	–	–	–	–	–
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	–	–	–	–	–	–	–
14	–	–	–	–	–	–	–
IC335							
1	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	5.0	5.0	5.0	5.0	5.0	5.0	5.0
4	4.9	4.9	4.9	4.9	4.9	4.9	4.9
5	4.8	4.8	4.8	4.8	4.8	4.8	4.8
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	5.1	5.1	5.1	5.1	5.1	5.1	5.1
8	5.9	5.9	5.9	5.9	5.9	5.9	5.9
IC341							
1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	4.9	4.9	4.9	4.9	4.9	4.9	4.9
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	4.9	4.9	4.9	4.9	4.9	4.9	4.9
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IC345							
1	–	–	–	–	–	–	–
2	2.7	2.7	2.7	2.7	2.7	2.7	2.7
3	2.7	2.7	2.7	2.7	2.7	2.7	2.7
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	2.7	2.7	2.7	2.7	2.7	2.7	2.7
6	2.7	2.7	2.7	2.7	2.7	2.7	2.7
7	–	–	–	–	–	–	–
8	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IC351							
1	0.0	4.8	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	4.6	0.0	4.6
3	4.8	4.8	4.8	4.8	4.8	4.8	4.8
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	4.8	4.8	4.8	4.8	4.8	4.8	4.8

MODE / PIN NO.	SERVO ／ SYSTEM CONTROL						
	STOP	REC	PLAY	REW／ F.FWD	REV／FWD SEARCH	REC PAUSE	PLAY PAUSE
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	–	–	–	–	–	–	–
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	–	–	–	–	–	–	–
10	4.7	4.7	4.7	4.7	4.7	4.7	4.7
11	4.6	4.6	0.0	4.6	0.0	4.6	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	–	–	4.2	–	4.2	–	4.2
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	–	0.0	0.0	0.0	–	0.0
16	–	0.0	–	–	–	0.0	–
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	4.0	4.0	4.0	4.0	4.0	4.0	4.0
21	4.9	4.9	4.9	4.9	4.9	4.9	4.9
22	–	–	–	–	–	–	–
23	4.9	4.9	4.9	4.9	4.9	4.9	4.9
24	4.9	4.9	4.9	4.9	4.9	4.9	4.9
25	4.9	4.9	4.9	4.9	4.9	4.9	4.9
26	4.9	4.9	4.9	4.9	4.9	4.9	4.9
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	4.9	4.9	0.0	4.9	4.9	4.9
30	4.9	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	2.1	2.5	0.3	0.5	0.5	2.6	0.5
34	0.5	0.5	0.5	0.5	0.5	0.5	0.5
35	4.3	4.3	0.4	4.3	0.4	4.3	0.4
36	4.9	0.1	0.1	4.9	0.1	0.1	0.1
37	3.7	3.7	3.7	3.7	3.7	–	3.7
38	–	–	–	–	–	–	–
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	4.8	4.8	4.8	4.8	4.8	4.8	4.8
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	–	–	–	–	–	–	–
43	–	–	–	–	–	–	–
44	–	–	4.2	–	4.2	–	4.2
45	4.9	4.9	4.9	4.9	4.9	4.9	4.9
46	–	–	–	–	–	–	–
47	–	–	–	–	–	–	–
48	1.2	1.2	1.2	1.2	1.2	1.2	1.2
49	2.5	2.5	2.5	2.5	2.5	2.5	2.5
50	4.9	4.9	4.9	4.9	4.9	4.9	4.9
51	0.4	0.4	0.4	0.4	0.4	0.4	0.4
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	4.9	4.9	4.9	4.9	4.9	4.9	4.9
54	4.9	4.9	4.9	4.9	4.9	4.9	4.9
55	0.4	0.4	0.4	0.4	0.4	0.4	0.4

MODE	SERVO / SYSTEM CONTROL						
PIN NO.	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	2.7	2.7	2.7	2.7	2.7	2.7	2.7
58	1.8	1.8	1.8	1.8	1.8	1.8	1.8
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	–	–	–	–	–	–	–
61	–	–	–	–	–	–	–
62	2.5	2.5	–	2.5	–	–	–
63	4.9	4.9	4.9	4.9	4.9	4.9	4.9
64	0.0	–	–	–	–	–	–
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	–	–	–	–	–	–	–
67	–	0.0	–	–	–	0.0	–
68	0.0	–	–	–	–	–	–
69	0.8	–	–	–	–	–	–
70	–	–	–	–	–	–	–
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	–	–	–	–	–	–	–
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	–	–	–	–	0.0	0.0
76	0.0	–	–	–	–	–	–
77	4.8	4.8	–	4.8	0.1	–	–
78	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	0.0	4.8	4.8	0.0	0.0	4.8	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	0.0	4.8	4.8	4.8	4.8	4.8	4.8
82	5.0	5.0	5.0	5.0	5.0	5.0	5.0
83	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	–	4.8	4.8	4.8	4.8	–	4.8
85	5.0	5.0	5.0	5.0	5.0	5.0	5.0
86	–	–	–	–	–	–	–
87	–	–	–	–	–	–	–
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	4.9	4.9	4.9	4.9	4.9	4.9	4.9
90	4.9	4.9	4.9	4.9	4.9	4.9	4.9
91	0.0	–	0.0	0.0	–	–	–
92	4.8	0.0	4.8	4.8	4.8	4.8	4.8
93	4.8	–	4.8	4.8	4.8	4.8	4.8
94	4.8	–	4.8	4.8	4.8	4.8	4.8
95	0.0	–	–	0.0	–	–	–
96	0.0	–	–	0.0	0.0	0.0	0.0
97	0.0	–	–	0.0	–	–	–
98	0.0	–	–	0.0	–	–	–
99	0.0	0.0	–	0.0	–	–	–
100	0.0	4.8	4.8	0.0	4.8	4.8	4.8
IC361							
1	0.0	0.0	1.4	0.0	1.4	1.4	1.3
2	0.0	0.0	2.0	0.0	2.0	2.0	2.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MODE	SERVO / SYSTEM CONTROL						
PIN NO.	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	–	–	1.7	–	1.7	1.7	1.7
7	0.0	–	–	0.0	–	–	–
8	–	–	–	–	–	–	–
9	0.0	–	–	0.0	–	–	–
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	4.9	4.9	4.8	4.9	4.8	4.8	4.8
13	4.9	4.9	4.8	4.9	4.8	4.8	4.8
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	–	–	0.0	–	–	–
16	0.0	0.0	–	0.0	0.0	–	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	–	0.0	–	–	–
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	4.8	0.0	4.8	4.8	4.8
21	–	–	2.1	–	2.1	2.1	2.1
22	–	–	2.1	–	2.1	2.1	2.1
23	2.2	2.1	2.1	2.2	2.1	2.1	2.1
24	2.3	2.3	2.1	2.3	2.1	2.1	2.1
25	2.3	2.3	21	2.3	2.1	2.1	2.1
26	2.2	2.2	2.1	2.2	2.1	2.1	2.1
27	4.1	2.5	–	4.1	–	–	–
28	2.5	2.5	2.5	2.5	2.5	2.5	2.5
29	0.0	2.5	–	0.0	–	–	–
30	4.8	4.8	–	4.8	0.1	–	–
31	4.9	4.9	4.8	4.9	4.8	4.8	4.8
32	4.9	4.9	4.8	4.9	4.8	4.8	4.8
33	4.9	4.9	4.8	4.9	4.8	4.8	4.8
34	–	–	–	–	–	–	–
35	4.9	4.9	4.8	4.9	4.8	4.8	4.8
36	2.5	2.5	–	2.5	–	–	–
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	–	0.0	–	–	–
39	3.0	3.0	–	3.0	–	–	–
40	0.0	0.0	2.3	0.0	2.3	2.3	2.3
41	0.0	0.0	–	0.0	–	–	–
42	3.0	3.0	–	3.0	–	–	–
43	0.0	0.0	2.3	0.0	2.3	2.3	2.3
44	–	–	–	–	–	–	–
45	0.0	0.0	1.1	0.0	1.1	1.1	1.1
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	2.5	2.5	2.5	2.5	2.5	2.5	2.5
48	2.6	2.5	2.5	2.6	2.5	2.5	2.5
IC362							
1	4.8	4.9	4.9	4.8	4.9	4.9	4.9
2	–	–	–	–	–	–	–
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	–	–	–	–	–	–	–
5	4.9	4.9	4.9	4.9	4.9	4.9	4.9

MODE	SERVO / SYSTEM CONTROL						
PIN NO.	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC MODE	PLAY PAUSE
IC371							
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.1	0.3	0.3	0.3	0.3	0.3	0.3
6	0.0	0.6	0.6	0.6	0.6	0.6	0.6
7	0.0	4.8	4.8	4.8	4.8	4.8	4.8
8	0.0	5.8	5.8	5.7	5.8	5.8	5.8
9	0.0	5.7	5.8	5.7	5.8	5.7	5.8
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	–	–	–	–	–	–	–
13	0.0	–	–	–	–	–	–
14	0.0	–	–	–	–	–	–
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	–	–	–	–	–	–
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	–	–	–	–	–	–
19	0.0	–	–	–	–	–	–
20	0.0	–	–	–	–	–	–
21	0.0	–	–	–	–	–	–
22	0.0	–	–	–	–	–	–
23	0.0	–	–	–	–	–	–
24	–	3.8	3.8	3.8	3.8	3.8	3.8
25	–	3.8	3.8	3.8	3.8	3.8	3.8
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	5.0	5.0	5.0	5.0	5.0	5.0	5.0
IC381							
1	0.7	–	–	–	–	–	–
2	2.4	–	–	–	–	–	–
3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
4	5.0	4.9	5.0	5.0	5.0	4.9	5.0
5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
7	2.4	–	–	–	–	–	–
8	0.8	–	–	–	–	–	–
9	2.5	2.5	2.5	2.5	2.5	2.5	2.5
10	2.5	2.5	2.5	2.5	2.5	2.5	2.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	2.5	2.5	2.5	2.5	2.5	2.5	2.5
13	2.5	2.5	2.5	2.5	2.5	2.5	2.5
14	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Q3001							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	5.8	–	–	–	–	5.8	5.9
B	0.0	–	–	–	–	0.0	0.0

MODE	SERVO / SYSTEM CONTROL						
PIN NO.	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC MODE	PLAY PAUSE
Q3002							
E	5.8	5.7	5.8	5.7	5.8	5.8	5.8
C	0.0	–	–	–	–	0.0	0.0
B	5.8	–	–	–	–	5.8	5.8
Q3003							
E	5.8	5.7	5.8	5.7	5.8	5.8	5.8
C	0.8	–	–	–	–	–	–
B	5.8	–	–	–	–	–	–
Q3004							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	5.8	–	–	–	–	–	–
B	0.0	–	–	–	–	–	–
Q3251							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Q3252							
E	–	–	–	–	–	–	–
C	–	–	–	–	–	–	–
B	–	–	–	–	–	–	–
Q3253							
E	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C	–	–	–	–	–	–	–
B	–	–	–	–	–	–	–
Q3254							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	–	–	–	–	–	–	–
B	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Q3255							
E	–	–	–	–	–	–	–
C	–	–	–	–	–	–	–
B	–	–	–	–	–	–	–
Q3301							
E	5.1	5.1	5.1	5.1	5.1	5.1	5.1
C	5.0	5.0	5.0	5.0	5.0	5.0	5.0
B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q3401							
E	5.8	5.8	5.8	5.7	5.8	5.8	5.8
C	5.0	5.0	5.0	5.0	5.0	5.0	5.0
B	5.2	5.2	5.2	5.1	5.2	5.2	5.3
Q3402							
E	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C	5.2	5.2	5.2	5.2	5.2	5.2	5.2
B	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Q3451							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	–	–	–	–	–	–	–
B	–	–	–	–	–	–	–
Q3452							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MODE PIN NO.	SERVO ／ SYSTEM CONTROL						
	STOP	REC	PLAY	REW／ F.FWD	REV／FWD SEARCH	REC PAUSE	PLAY PAUSE
C	–	–	–	–	–	–	–
B	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Q3453							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.4	0.4	0.4	0.4	0.4	0.4	0.4
B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q3501							
E	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C	–	–	0.0	–	0.0	–	0.0
B	–	–	4.7	–	4.7	–	4.7
Q3502							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	–	–	0.0	–	0.0	–	0.0
B	–	–	0.0	–	0.0	–	0.0
Q3503							
E	–	–	0.0	–	0.0	–	0.0
C	–	–	–	–	–	–	–
B	–	–	0.0	–	0.0	–	0.0
Q3601							
E	–	–	1.5	–	1.5	1.5	1.5
C	4.9	4.9	4.8	4.9	4.8	4.8	4.8
B	–	–	2.1	–	2.1	2.1	2.1
Q3602							
E	1.3	3.8	–	1.3	–	–	–
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	–	–	2.1	–	2.1	2.1	2.1

MODE PIN NO.	SERVO ／ SYSTEM CONTROL						
	STOP	REC	PLAY	REW／ F.FWD	REV／FWD SEARCH	REC PAUSE	PLAY PAUSE
Q3602							
E	1.3	3.8	–	1.3	–	–	–
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	0.6	3.1	–	0.0	–	–	–
Q3701							
E1	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B1	4.9	4.9	4.9	4.9	4.9	4.9	4.9
E2	5.0	5.0	5.0	5.0	5.0	5.0	5.0
C2	4.9	4.9	4.9	4.9	4.9	4.9	4.9
B2	4.9	4.9	4.9	4.9	4.9	4.9	4.9
Q3702							
E1	0.4	0.4	0.4	0.4	0.4	0.4	0.4
C1	0.7	0.7	0.7	0.7	0.7	0.7	0.7
B1	4.6	4.6	4.6	4.6	4.6	4.6	4.6
E2	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C2	0.7	0.7	0.7	0.7	0.7	0.7	0.7
B2	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Q3703							
E1	0.4	0.4	0.4	0.4	0.4	0.4	0.4
C1	0.7	0.7	0.7	0.7	0.7	0.7	0.7
B1	4.6	4.6	4.6	4.6	4.6	4.6	4.6
E2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
C2	4.6	4.6	4.6	4.6	4.6	4.6	4.6
B2	4.6	4.6	4.6	4.6	4.6	4.6	4.6

7-3. VIDEO CIRCUIT

MODE	VIDEO						
PIN NO.	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
IC101							
1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2	2.1	2.1	2.1	2.1	2.1	2.1	2.1
3	2.4	2.4	2.5	2.4	2.5	2.4	2.5
4	2.4	2.4	2.8	2.4	2.8	2.4	2.8
5	1.3	1.3	2.5	1.3	2.5	1.3	2.5
6	4.2	4.2	4.2	4.2	4.2	4.2	4.2
7	2.6	2.6	3.0	2.6	3.0	2.6	3.0
8	1.6	1.6	1.6	1.6	1.6	1.6	1.6
9	0.2	0.2	2.8	0.2	0.2	0.2	0.2
10	2.3	2.3	3.0	2.3	3.0	2.3	3.0
11	0.0	0.0	2.9	0.0	2.9	0.0	2.9
12	2.3	2.3	2.8	2.3	2.8	2.3	2.8
13	2.4	2.4	2.4	2.4	2.4	2.4	2.4
14	3.5	3.5	3.5	3.5	3.5	3.5	3.5
15	0.0	0.0	2.8	0.0	2.8	0.0	2.8
16	3.3	3.3	2.9	3.3	2.9	3.3	2.9
17	2.4	2.4	2.2	2.4	2.2	2.4	2.2
18	2.3	2.3	2.9	2.3	2.9	2.3	2.9
19	2.2	2.2	2.2	2.2	2.2	2.2	2.2
20	2.8	2.8	2.9	2.8	2.9	2.8	2.9
21	2.5	2.5	2.8	2.5	2.8	2.5	2.8
22	4.7	4.7	4.7	4.7	4.7	4.7	4.7
23	4.7	4.7	4.7	4.7	4.7	4.7	4.7
24	2.9	2.9	3.3	2.9	3.3	2.9	3.3
25	0.2	0.2	0.2	0.2	0.2	0.2	0.2
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	1.2	1.2	1.2	1.2	1.2	1.2	1.2
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1.9	1.9	1.9	1.9	1.9	1.9	1.9
31	1.9	1.9	1.9	1.9	1.9	1.9	1.9
32	2.3	2.3	2.3	2.3	2.3	2.3	2.3
33	3.1	3.1	2.4	3.1	2.4	3.1	2.4
34	2.4	2.4	2.4	2.4	2.4	2.4	2.4
35	2.1	2.1	1.2	2.1	1.2	2.1	1.2
36	1.8	1.8	2.0	1.8	2.0	1.8	2.0
37	4.9	4.9	4.9	4.9	4.9	4.9	4.9
38	2.3	2.3	2.3	2.3	2.3	2.3	2.3
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	2.1	2.1	2.1	2.1	2.1	2.1	2.1
41	0.0	0.0	0.8	0.0	0.8	0.0	0.8
42	4.6	4.6	3.1	4.6	3.1	4.6	3.1
43	2.3	2.3	1.9	2.3	1.9	2.3	1.9
44	3.3	3.3	3.3	3.3	3.3	3.3	3.3
45	0.0	0.0	1.8	0.0	1.8	0.0	1.8
46	4.9	4.9	4.8	4.9	4.8	4.9	4.8
47	0.3	0.3	2.3	0.3	2.3	0.3	2.3
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	2.2	2.2	2.2	2.2	2.2	2.2	2.2
50	2.1	2.1	2.1	2.1	2.1	2.1	2.1
51	0.0	0.7	0.7	0.0	0.7	0.7	0.7
52	1.6	1.6	2.5	1.6	2.5	1.6	2.5
53	2.0	2.0	2.0	2.0	2.0	2.0	2.0
54	2.1	2.1	2.1	2.1	2.1	2.1	2.1
55	2.1	2.1	4.8	2.1	4.8	2.1	4.8
56	4.9	4.9	4.8	4.9	4.8	4.9	4.8
57	2.2	2.2	2.2	2.2	2.2	2.2	2.2
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	2.3	2.3	2.2	2.3	2.2	2.3	2.2
60	2.1	2.1	2.1	2.1	2.1	2.1	2.1
61	2.3	2.3	2.2	2.3	2.2	2.3	2.2
62	2.6	2.6	2.6	2.6	2.6	2.6	2.6
63	2.1	2.1	2.1	2.1	2.1	2.1	2.1
64	2.5	2.5	2.6	2.5	2.6	2.5	2.6
IC111							
1	0.0	0.0	2.0	0.0	2.0	0.0	2.0
2	0.0	0.0	2.4	0.0	2.4	0.0	2.4
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	1.9	0.0	1.9	0.0	1.9
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.1	0.1	2.0	0.1	2.0	0.1	2.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	4.9	0.0	4.9	0.0	4.9
10	0.0	0.0	2.3	0.0	2.3	0.0	2.3
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	1.9	0.0	1.9	0.0	1.9
13	0.0	0.0	1.8	0.0	1.8	0.0	1.8
14	0.0	0.0	4.9	0.0	4.9	0.0	4.9
15	0.0	0.0	1.0	0.0	1.0	0.0	1.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IC121							
1	0.0	0.0	0.0	0.0	0.9	0.0	0.9
2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
3	2.4	2.4	2.5	2.4	2.5	2.4	2.5
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	4.9	4.9	4.9	4.9	4.9	4.9	4.9
6	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7	4.2	4.2	4.2	4.2	4.2	4.2	4.2
8	2.1	2.1	2.0	2.1	2.0	2.1	2.0
9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
10	3.4	3.4	3.3	3.4	3.3	3.4	3.3
11	0.0	0.0	0.0	0.0	4.6	0.0	4.6
12	2.3	2.3	2.3	2.3	2.3	2.3	2.3
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	2.4	2.4	2.4	2.4	2.4	2.4	2.4
15	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16	2.4	2.4	2.2	2.4	2.2	2.4	2.2
17	4.9	4.9	4.9	4.9	4.9	4.9	4.9

MODE / PIN NO.	VIDEO						
	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
18	1.4	1.4	0.8	1.4	0.8	1.4	0.8
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	1.6	1.6	0.5	1.6	0.5	1.6	0.5
21	0.6	0.6	0.5	0.6	0.5	0.6	0.5
22	2.8	2.8	3.2	2.8	3.2	2.8	3.2
23	1.6	1.6	1.6	1.6	1.6	1.6	1.6
24	3.2	3.2	3.1	3.2	3.1	3.2	3.1
25	4.7	4.7	4.7	4.7	4.7	4.7	4.7
26	2.3	2.3	2.4	2.3	2.4	2.3	2.4
27	1.0	1.0	2.4	1.0	2.4	1.0	2.4
28	2.3	2.3	2.5	2.3	2.5	2.3	2.5
29	4.6	4.6	2.8	4.6	2.8	4.6	2.8
30	2.4	2.4	2.4	2.4	2.4	2.4	2.4
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	1.3	1.3	2.9	1.3	2.9	1.3	2.9
33	0.7	0.7	4.9	0.7	4.9	0.7	4.9
34	3.0	3.0	2.9	3.0	2.9	3.0	2.9
35	0.3	0.3	0.3	0.3	0.3	0.3	0.3
36	4.6	4.6	2.9	4.6	2.9	4.6	2.9
37	0.2	0.2	0.2	0.2	0.2	0.2	0.2
38	2.0	2.0	2.0	2.0	2.0	2.0	2.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	2.2	2.2	0.0	2.2	0.0	2.2	0.0
41	4.9	4.9	4.9	4.9	4.9	4.9	4.9
42	0.5	0.5	2.7	0.5	2.7	0.5	2.7
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	2.7	2.7	2.7	2.7	2.7	2.7	2.7
45	4.9	4.9	4.9	4.9	4.9	4.9	4.9
46	0.3	0.3	0.2	0.3	0.2	0.3	0.2
47	0.0	1.4	1.4	0.0	1.4	0.0	1.4
48	2.8	2.8	2.8	2.8	2.8	2.8	2.8
IC141							
1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
6	4.8	4.8	4.8	4.8	4.8	4.8	4.8
7	1.3	1.3	1.3	1.3	1.3	1.3	1.3
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IC161							
1	0.7	0.7	4.7	0.7	4.7	0.7	4.7
2	1.5	1.5	2.0	1.5	2.0	1.5	2.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.6	0.6	2.5	0.6	2.5	0.6	2.5
5	0.3	0.3	2.7	0.3	2.8	0.3	2.8
6	0.3	0.3	0.7	0.3	0.7	0.3	0.7
7	0.0	0.0	2.1	0.0	2.1	0.0	2.1
8	0.3	0.3	2.6	0.3	2.6	0.3	2.6
9	1.3	1.3	2.0	1.3	2.0	1.3	2.0

MODE / PIN NO.	VIDEO						
	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
10	1.4	1.4	1.0	1.4	0.9	1.4	0.9
11	0.2	0.2	0.2	0.2	0.2	0.2	0.2
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	4.2	0.0	4.2	0.0	4.2
14	0.0	0.0	2.1	0.0	2.1	0.0	2.1
15	0.0	0.0	2.1	0.0	2.1	0.0	2.1
16	0.3	0.3	1.7	0.3	1.7	0.3	1.7
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	1.5	1.5	1.7	1.5	1.7	1.5	1.7
19	0.7	0.7	4.8	0.7	4.8	0.7	4.8
20	0.4	0.4	0.0	0.4	0.0	0.4	0.0
21	0.3	0.3	2.2	0.3	4.7	0.3	4.7
22	0.6	0.6	4.3	0.6	4.3	0.6	4.3
23	0.7	0.7	4.8	0.7	4.8	0.7	4.8
24	0.4	0.4	2.1	0.4	2.1	0.4	2.1
IC191							
1	0.0	0.0	4.7	0.0	4.7	4.7	4.7
2	0.0	3.2	0.1	0.0	0.1	0.2	0.1
3	0.0	4.2	4.2	0.0	4.2	4.2	4.2
4	0.0	3.2	2.5	0.0	2.5	0.0	2.5
5	0.0	2.5	2.5	0.0	2.5	2.5	2.5
6	0.0	3.2	0.2	0.0	0.2	0.1	0.2
7	0.7	4.9	4.9	0.7	4.9	4.9	4.9
8	0.1	2.9	1.8	0.1	1.8	1.8	1.8
9	0.4	4.0	3.7	0.4	3.7	3.9	3.7
10	0.1	4.3	2.5	0.1	2.5	2.5	2.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	2.5	2.5	0.0	2.5	2.5	2.5
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	2.5	2.5	0.0	2.5	2.5	2.5
15	0.0	1.1	4.8	0.0	4.8	4.9	4.8
16	0.0	2.6	2.5	0.0	2.5	2.5	2.5
17	0.7	4.9	4.9	0.7	4.9	4.9	4.9
18	0.7	4.9	4.9	0.7	4.9	4.9	4.9
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	2.3	1.8	0.0	1.8	1.8	1.8
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	3.4	3.4	0.0	3.4	3.4	3.4
24	0.0	2.5	2.5	0.0	2.5	2.5	2.5
25	0.0	1.7	1.7	0.0	1.7	1.7	1.7
26	0.0	0.0	2.5	0.0	2.5	2.5	2.5
27	0.7	4.9	0.7	0.7	4.9	4.9	4.9
28	0.7	4.9	4.9	0.7	4.9	4.9	4.9
29	0.0	2.3	2.1	0.0	2.1	2.2	2.1
30	0.2	4.1	2.1	0.2	2.1	2.2	2.1
31	0.2	4.1	2.1	0.2	2.1	2.2	2.1
32	0.0	2.3	2.1	0.0	2.1	2.2	2.1
33	0.1	4.9	4.9	0.7	4.9	4.9	4.9
34	0.1	4.9	4.9	0.7	4.9	4.9	4.9

MODE / PIN NO.	VIDEO STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
35	0.0	0.0	2.5	0.0	2.5	2.5	2.5
36	0.0	1.7	1.7	0.0	1.7	1.7	1.7
37	0.0	2.5	2.5	0.0	2.5	2.5	2.5
38	0.0	3.4	3.4	0.0	3.4	3.4	3.4
39	0.0	1.3	1.3	0.0	1.3	1.3	1.3
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.7	0.7	0.0	0.7	0.7	0.7
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	1.4	1.5	3.9	1.4	3.9	3.9	3.9
46	0.0	2.5	2.5	0.0	2.5	2.5	2.5
47	1.4	1.4	3.9	1.4	3.9	3.9	3.9
48	0.0	3.2	0.8	0.0	0.8	0.8	0.8
D1004							
1	1.9	1.9	1.8	1.9	1.8	1.9	1.8
2	0.2	0.2	0.0	0.2	0.0	0.2	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D1301							
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
D1422							
1	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q1002							
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3.2	3.2	3.2	3.2	0.0	3.2	0.0
3	0.0	0.0	0.0	0.0	4.6	0.0	4.6
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	4.6	0.0	4.6
Q1020							
E	1.9	1.9	2.3	1.9	2.3	1.9	2.3
C	3.5	3.5	3.2	3.5	3.2	3.5	3.2
B	2.6	2.6	3.0	2.6	3.0	2.6	3.0
Q1021							
E	2.6	2.6	2.4	2.6	2.4	2.6	2.4
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	2.0	2.0	3.0	2.0	3.0	2.0	3.0
Q1022							
E	1.9	1.9	2.3	1.9	2.3	1.9	2.3
C	4.8	4.8	4.8	4.8	4.8	4.8	4.8
B	2.6	2.6	2.9	2.6	2.9	2.6	2.9
Q1023							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.9	0.9	0.0	0.9	0.0	0.9	0.0
B	0.7	0.7	4.9	0.7	4.9	0.7	4.9
Q1024							
E	1.5	1.5	1.5	1.5	1.5	1.5	1.5
C	3.0	3.0	3.3	3.0	3.3	3.0	3.3

MODE / PIN NO.	VIDEO STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
B	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Q1025							
E	2.4	2.4	2.7	2.4	2.7	2.4	2.7
C	4.2	4.2	4.2	4.2	4.2	4.2	4.2
B	3.0	3.0	3.3	3.0	3.3	3.0	3.3
Q1026							
E	4.2	4.2	4.2	4.2	4.2	4.2	4.2
C	4.2	4.2	4.2	4.2	4.2	4.2	4.2
B	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Q1028							
E	4.9	4.9	4.8	4.9	4.8	4.9	4.8
C	4.8	4.8	4.0	4.8	4.0	4.8	4.0
B	0.7	0.7	4.9	0.7	4.9	0.7	4.9
Q1060							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	1.8	1.8	1.8	1.8	1.8	1.8	1.8
B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q1071							
E	0.0	0.0	1.6	0.0	1.6	0.0	1.6
C	0.7	0.7	3.4	0.7	3.4	0.7	3.4
B	0.0	0.0	2.3	0.0	2.3	0.0	2.3
Q1073							
E	0.0	0.0	0.94	0.0	1.0	0.0	0.99
C	0.71	0.71	3.21	0.71	3.15	0.71	3.17
B	0.0	0.0	1.57	0.0	1.63	0.0	1.61
Q1074							
E	0.12	0.12	2.57	0.12	2.5	0.12	2.52
C	0.71	0.71	4.27	0.71	4.27	0.71	4.27
B	0.71	0.71	3.21	0.71	3.15	0.71	3.17
Q1075							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Q1077							
E	0.0	0.0	0.98	0.0	1.01	0.0	1.01
C	0.71	0.71	4.27	0.71	4.27	0.71	4.27
B	0.0	0.0	1.62	0.0	1.68	0.0	1.66
Q1091							
E	5.0	5.0	4.9	5.0	4.9	5.0	4.9
C	0.2	0.2	0.2	0.2	0.2	0.2	1.2
B	5.0	5.0	4.9	5.0	4.9	5.0	4.9
Q1092							
E	4.7	4.7	4.8	4.7	3.4	4.7	4.6
C	3.4	3.4	3.7	3.4	2.8	3.4	1.8
B	2.9	2.9	2.7	2.9	2.0	2.9	1.0
Q1093							
E	0.1	0.1	0.1	0.1	0.0	0.1	1.0
C	4.7	4.7	4.8	4.7	3.4	4.7	1.4
B	0.0	0.0	0.0	0.0	0.9	0.0	1.9

MODE	VIDEO						
PIN NO.	STOP	REC	PLAY	REW／F.FWD	REV／FWD SEARCH	REC PAUSE	PLAY PAUSE
Q1094							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.0	0.0	0.1	0.0	0.0	0.0	0.0
B	0.0	0.0	0.0	0.0	4.6	0.0	4.6
Q1101							
E	0.0	0.0	1.4	0.0	1.4	0.0	1.4
C	0.0	0.0	3.2	0.0	3.2	0.0	3.2
B	0.0	0.0	2.0	0.0	2.0	0.0	2.0
Q1102							
E	0.0	0.0	2.5	0.0	2.5	0.0	2.5
C	0.0	0.0	4.9	0.0	4.9	0.0	4.9
B	0.0	0.0	3.2	0.0	3.2	0.0	3.2
Q1103							
E	0.0	0.0	1.6	0.0	1.6	0.0	1.6
C	0.0	0.0	3.6	0.0	3.6	0.0	3.6
B	0.0	0.0	2.2	0.0	2.2	0.0	2.2
Q1104							
E	0.0	0.0	1.0	0.0	1.0	0.0	1.0
C	0.0	0.0	4.9	0.0	4.9	0.0	4.9
B	0.0	0.0	1.6	0.0	1.6	0.0	1.6
Q1105							
E	0.0	0.0	1.3	0.0	1.3	0.0	1.3
C	0.0	0.0	3.1	0.0	3.1	0.0	3.1
B	0.0	0.0	1.9	0.0	1.9	0.0	1.9
Q1106							
E	0.0	0.0	2.4	0.0	2.4	0.0	2.4
C	0.0	0.0	4.9	0.0	4.9	0.0	4.9
B	0.0	0.0	3.0	0.0	3.0	0.0	3.0
Q1107							
E	0.0	0.0	1.1	0.0	1.1	0.0	1.1
C	0.0	0.0	4.9	0.0	4.9	0.0	4.9
B	0.0	0.0	1.7	0.0	1.7	0.0	0.0
Q1201							
E	1.7	1.7	1.7	1.7	1.7	1.7	1.7
C	4.9	4.9	4.9	4.9	4.9	4.9	4.9
B	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Q1204							
E	4.9	4.9	4.9	4.9	4.9	4.9	4.9
C	2.8	2.8	2.7	2.8	3.3	2.8	3.4
B	4.7	4.7	4.8	4.7	3.4	4.7	3.4
Q1241							
E	1.6	1.6	2.5	1.6	2.5	1.6	2.5
C	1.9	1.9	4.9	1.9	4.9	1.9	4.9
B	2.2	2.2	0.0	2.2	0.0	2.2	0.0
Q1243							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	2.2	2.2	0.0	2.2	0.0	2.2	0.0
B	0.7	0.7	4.9	0.7	4.9	0.7	4.9
Q1301							
E	0.6	3.2	3.1	0.6	3.1	3.2	3.1
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	0.0	2.6	2.5	0.0	2.5	2.6	2.5
Q1302							
E	0.7	0.7	3.8	0.7	3.8	0.7	3.8
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	0.6	3.2	3.1	0.6	3.1	3.2	3.1
Q1304							
E	0.2	0.2	3.1	0.2	3.1	0.2	3.1
C	0.8	0.8	4.8	0.8	4.8	0.8	4.8
B	0.8	0.8	3.7	0.8	3.7	0.8	3.7
Q1320							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.0	0.0	1.5	0.0	0.0	1.5	0.0
B	0.0	0.0	0.0	0.0	4.6	0.0	4.6
Q1321							
E	0.0	0.0	1.4	0.0	1.4	0.0	1.4
C	0.7	0.7	4.8	0.7	4.8	0.7	4.8
B	0.3	0.3	2.0	0.3	2.0	0.3	2.0
Q1323							
E	0.0	0.0	1.8	0.0	1.8	0.0	1.8
C	0.7	0.7	4.8	0.7	4.8	0.7	4.8
B	0.4	0.4	2.4	0.4	2.4	0.4	2.4
Q1325							
E	0.7	0.7	4.8	0.7	4.8	0.7	4.8
C	0.0	0.0	0.0	0.0	1.5	0.0	1.0
B	4.7	4.7	4.8	4.7	3.4	4.7	3.4
Q1326							
E	0.7	0.7	4.8	0.7	4.8	0.7	4.8
C	0.0	0.0	4.8	0.0	4.8	0.0	4.8
B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q1342							
E	0.8	1.7	1.3	0.8	1.3	1.7	1.3
C	0.8	3.3	3.6	0.8	3.6	3.3	3.6
B	1.5	2.3	1.9	1.5	1.9	2.3	1.9
Q1343							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.11	0.51	0.33	0.11	0.33	0.51	0.33
B	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q1344							
E	0.2	1.0	0.6	0.2	0.6	1.0	0.6
C	0.7	4.9	4.9	0.7	4.9	4.9	4.9
B	0.8	0.0	1.3	0.8	1.3	0.0	1.3
Q1362							
E	0.0	0.0	2.4	0.0	2.4	0.0	2.4
C	0.7	0.7	4.8	0.7	4.8	0.7	4.8
B	0.1	0.1	3.0	0.1	3.0	0.1	3.0
Q1380							
E	0.7	0.9	0.6	0.9	0.6	0.9	0.6
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	0.3	0.3	0.0	0.3	0.0	0.3	0.0

MODE	VIDEO						
PIN NO.	STOP	REC	PLAY	REW/ F.FWD	REV/FWD SEARCH	REC PAUSE	PLAY PAUSE
Q1401							
E	5.0	5.0	4.9	5.0	4.9	5.0	4.9
C	0.0	0.0	4.9	0.0	4.9	0.0	4.9
B	4.7	4.7	4.2	4.7	4.2	4.7	4.2
Q1410							
E	5.0	5.0	4.9	5.0	4.9	5.0	4.9
C	0.7	0.7	4.9	0.7	4.9	0.7	4.9
B	4.9	4.9	4.2	4.9	4.2	4.9	4.2
Q1412							
E	5.0	5.0	4.9	5.0	4.9	5.0	4.9
C	0.7	4.9	4.9	0.7	4.9	4.9	4.9
B	4.6	4.2	4.2	4.6	4.2	4.2	4.2
Q1421							
E	4.2	4.2	4.2	4.2	4.2	4.2	4.2
C	4.9	4.9	4.9	4.9	4.9	4.9	4.9
B	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Q1422							
E	5.0	5.0	4.9	5.0	4.9	5.0	4.9
C	5.0	5.0	4.9	5.0	4.9	5.0	4.9
B	4.3	4.3	4.2	4.3	4.2	4.3	4.2
Q1451							
E	1.9	1.9	1.9	1.9	1.9	1.9	1.9
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Q1453							
E	2.5	2.5	2.5	2.5	2.5	2.5	2.5
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Q1454							
E	2.5	2.5	2.5	2.5	2.5	2.5	2.5
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Q1461							
E	1.7	1.7	0.0	1.7	0.0	1.7	0.0
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	1.2	1.2	0.6	1.2	0.6	1.2	0.6
Q1462							
E	4.0	4.0	4.0	4.0	4.0	4.0	4.0
C	4.8	4.8	4.8	4.8	4.8	4.8	4.8
B	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Q1463							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	3.1	3.1	3.1	3.1	3.1	3.1	3.1
B	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Q1601							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	0.1	0.1	0.5	0.1	0.3	0.1	0.3
B	0.0	0.0	0.0	0.0	0.9	0.0	0.9
Q1602							
E	0.0	0.0	1.3	0.0	1.3	0.0	1.3
C	0.7	0.7	3.1	0.7	3.1	0.7	3.1
B	0.3	0.3	1.9	0.3	1.9	0.3	1.9
Q1604							
E	1.6	1.6	2.5	1.6	2.5	1.6	2.5
C	0.0	0.0	4.8	0.0	4.8	0.0	4.8
B	0.7	0.7	3.1	0.7	3.1	0.7	3.1
Q1605							
E	0.7	0.7	4.8	0.7	4.8	0.7	4.8
C	0.0	0.0	4.8	0.0	0.0	0.0	0.0
B	0.0	0.0	0.0	0.0	4.6	0.0	4.6
Q1606							
E	0.7	0.7	4.8	0.7	4.8	0.7	4.8
C	0.4	0.4	4.8	0.4	0.0	0.4	0.0
B	0.0	0.0	0.0	0.0	4.6	0.0	4.6
Q1801							
E	0.7	4.5	4.9	0.7	4.9	4.9	4.9
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	0.7	4.0	4.9	0.7	4.9	4.9	4.9
Q1802							
E	0.7	3.1	4.9	0.7	4.9	4.9	4.9
C	0.0	0.0	0.0	0.0	0.0	0.0	0.0
B	2.0	3.4	4.8	2.0	4.8	4.9	4.8

7-4. AUDIO CIRCUIT

MODE / PIN NO.	AUDIO						
	STOP	REC	PLAY	REW／F.FWD	REV／FWD SEARCH	REC PAUSE	PLAY PAUSE
IC201							
1	0.6	3.2	3.2	0.6	3.2	3.2	3.2
2	0.0	0.0	0.8	0.0	0.8	0.0	1.3
3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
4	2.5	2.5	1.6	2.5	1.6	2.5	1.6
5	0.7	0.7	4.9	0.7	4.9	0.7	4.9
6	2.1	2.1	2.2	2.1	2.2	2.1	2.2
7	5.0	5.0	4.9	5.0	4.9	5.0	4.9
8	1.9	1.9	1.3	1.9	1.3	1.9	1.3
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	1.3	1.4	0.0	1.4	1.3	1.4
11	0.0	0.0	0.0	0.0	0.0	0.0	3.5
12	0.0	0.0	2.2	0.0	2.2	0.0	2.2
13	4.9	4.9	4.9	4.9	4.9	4.9	4.9
14	2.1	2.1	2.1	2.1	2.1	2.1	2.1
15	2.1	2.1	2.1	2.1	2.1	2.1	2.1
16	2.1	2.1	2.1	2.1	2.1	2.1	2.1
17	4.9	4.9	4.9	4.9	4.9	4.9	4.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2.4	2.4	2.3	2.4	2.3	2.4	2.3
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	5.0	5.0	4.9	5.0	4.9	5.0	4.9
23	2.1	2.1	2.1	2.1	2.1	2.1	2.1
24	2.1	2.1	2.1	2.1	2.1	2.1	2.1
25	2.1	2.1	2.1	2.1	2.1	2.1	2.1
26	2.1	2.1	2.1	2.1	2.1	2.1	2.1
27	2.7	2.7	2.7	2.7	2.7	2.7	2.7
28	2.0	2.0	2.0	2.0	2.0	2.0	2.0
29	2.8	2.8	2.8	2.8	2.8	2.8	2.8
30	5.0	5.0	4.9	5.0	4.9	5.0	4.9
31	2.1	2.1	2.1	2.1	2.1	2.1	2.1
32	2.1	2.1	2.1	2.1	2.1	2.1	2.1
33	2.1	2.3	2.1	2.1	2.1	2.3	2.1
34	2.1	0.0	0.0	2.1	2.1	0.0	2.1
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	2.1	2.1	2.1	2.1	2.1	2.1	2.1
37	4.0	4.0	4.0	4.0	4.0	4.0	4.0
38	2.1	2.1	2.1	2.1	2.1	2.1	2.1
39	2.1	2.1	2.0	2.1	2.0	2.1	2.0
40	1.7	1.7	1.6	1.7	1.6	1.7	1.6
41	4.2	4.2	4.2	4.2	4.2	4.2	4.2
42	4.9	4.9	4.9	4.9	4.9	4.9	4.9
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	2.1	2.1	2.1	2.1	2.1	2.1	2.1
45	3.2	3.2	3.2	3.2	3.2	3.2	3.2
46	2.3	2.3	2.9	2.3	2.9	2.3	2.9
47	1.9	0.0	0.0	1.9	0.0	0.0	0.0
48	0.0	0.0	1.2	0.0	0.5	0.0	0.5

MODE / PIN NO.	AUDIO						
	STOP	REC	PLAY	REW／F.FWD	REV／FWD SEARCH	REC PAUSE	PLAY PAUSE
Q2801							
E	1.3	1.3	1.3	1.3	1.3	1.3	1.3
C	2.8	2.8	2.8	2.8	2.8	2.8	2.8
B	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Q2831							
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C	1.3	1.3	1.3	1.3	1.3	1.3	1.3
B	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Q2832							
E	0.7	0.7	0.7	0.7	0.7	0.7	0.7
C	1.9	1.9	1.9	1.9	1.9	1.9	1.9
B	1.3	1.3	1.3	1.3	1.3	1.3	1.3

7-5. VIEWFINDER CIRCUIT

MODE PIN NO.	VIEWFINDER		
	CAMERA ON	OPEN	MONOSCOPE TAPE PLAYBACK
IC971			
1	2.3	2.4	2.3
2	5.0	5.0	5.0
3	2.2	2.1	2.2
4	0.0	0.0	0.0
5	2.3	2.4	2.3
6	1.4	1.4	1.4
7	2.2	2.1	2.2
8	4.7	4.7	4.7
9	4.3	4.3	4.3
10	0.0	0.0	0.0
11	2.0	1.8	2.3
12	4.7	4.7	4.7
13	3.1	3.4	2.4
14	2.2	1.9	2.2
15	1.9	1.9	1.9
16	2.3	2.3	2.3
FBT			
1	24	22	27
2	24	22	27
3	4.9	4.9	4.9
4	4.8	4.8	4.8
5	4.8	4.8	4.8
6	0.0	0.0	0.0
7	–	–	–
8	– 37	– 38	– 35
Q9701			
B	0.5	0.5	0.5
C	4.8	4.8	4.8
E	0.0	0.0	0.0
Q9702			
B	3.1	3.4	2.4
C	– 30	– 33	– 25
E	3.7	3.9	2.9

8. TROUBLESHOOTING GUIDE

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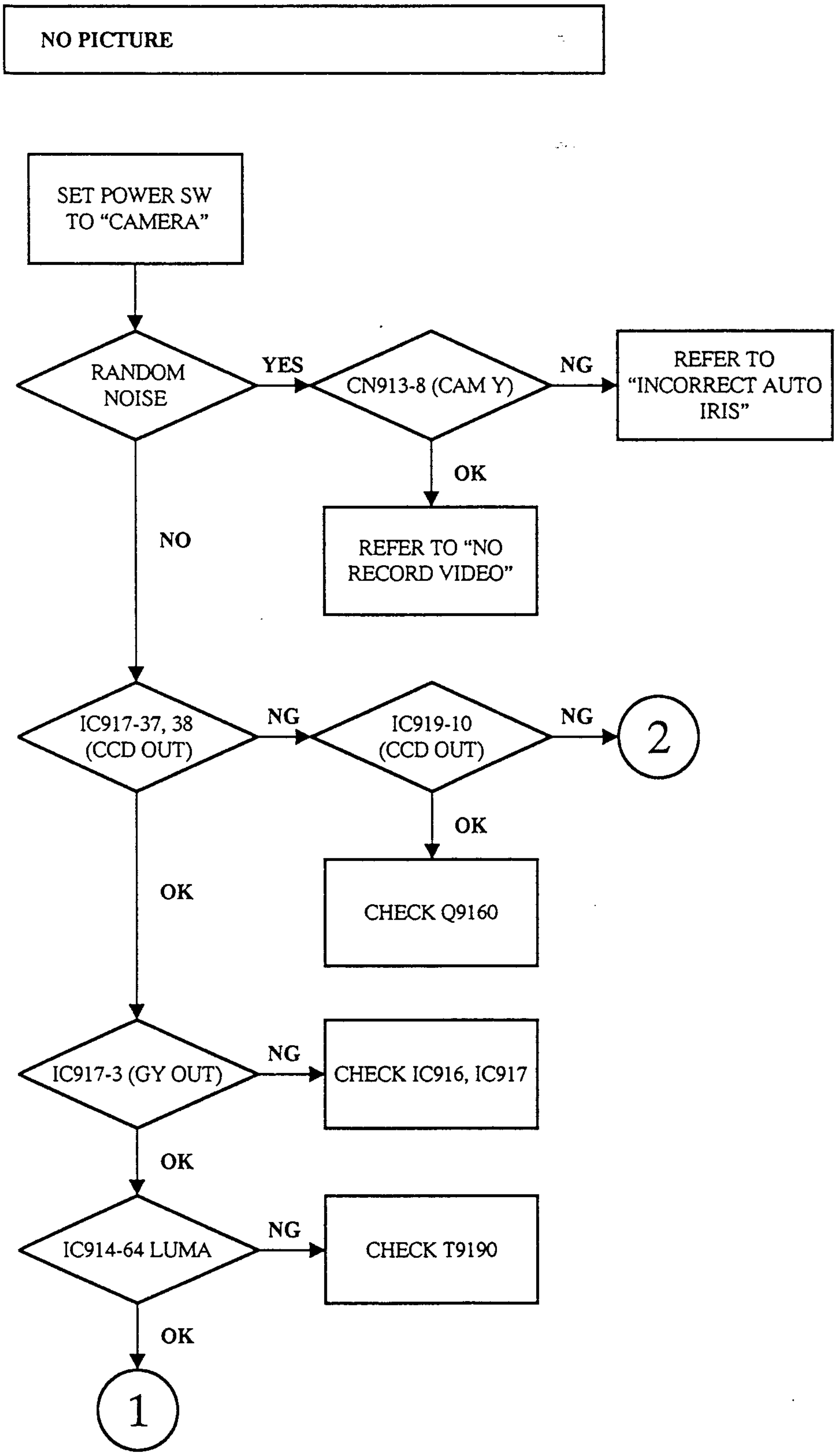
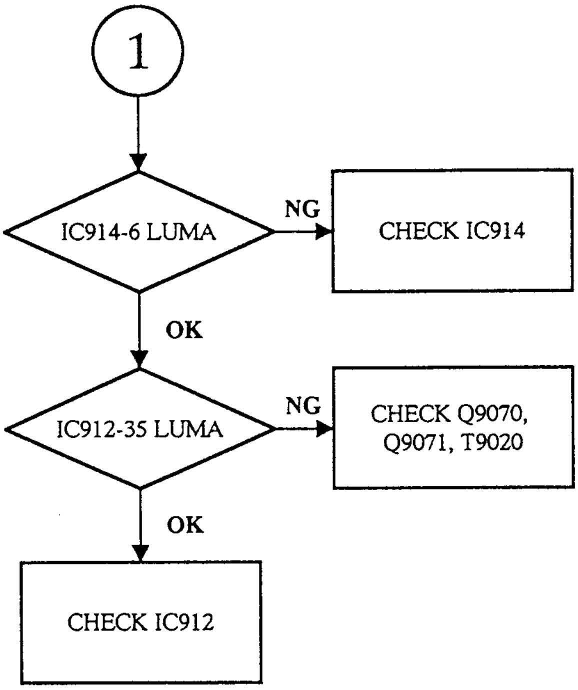
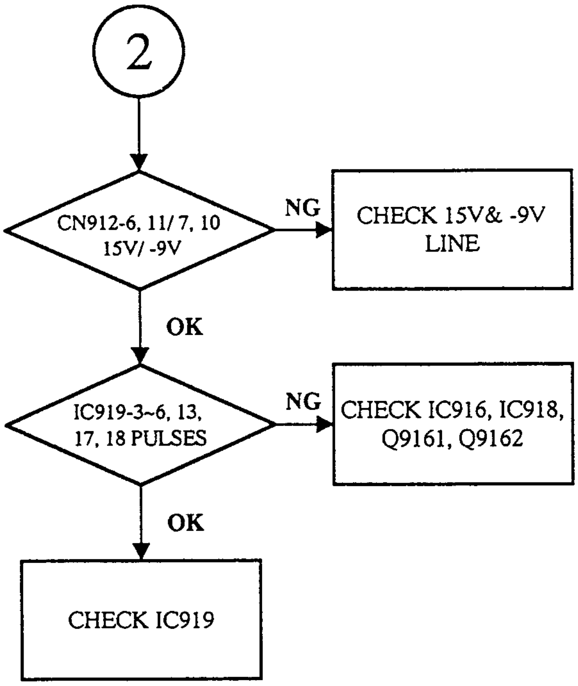
8-1. CAMERA CIRCUIT

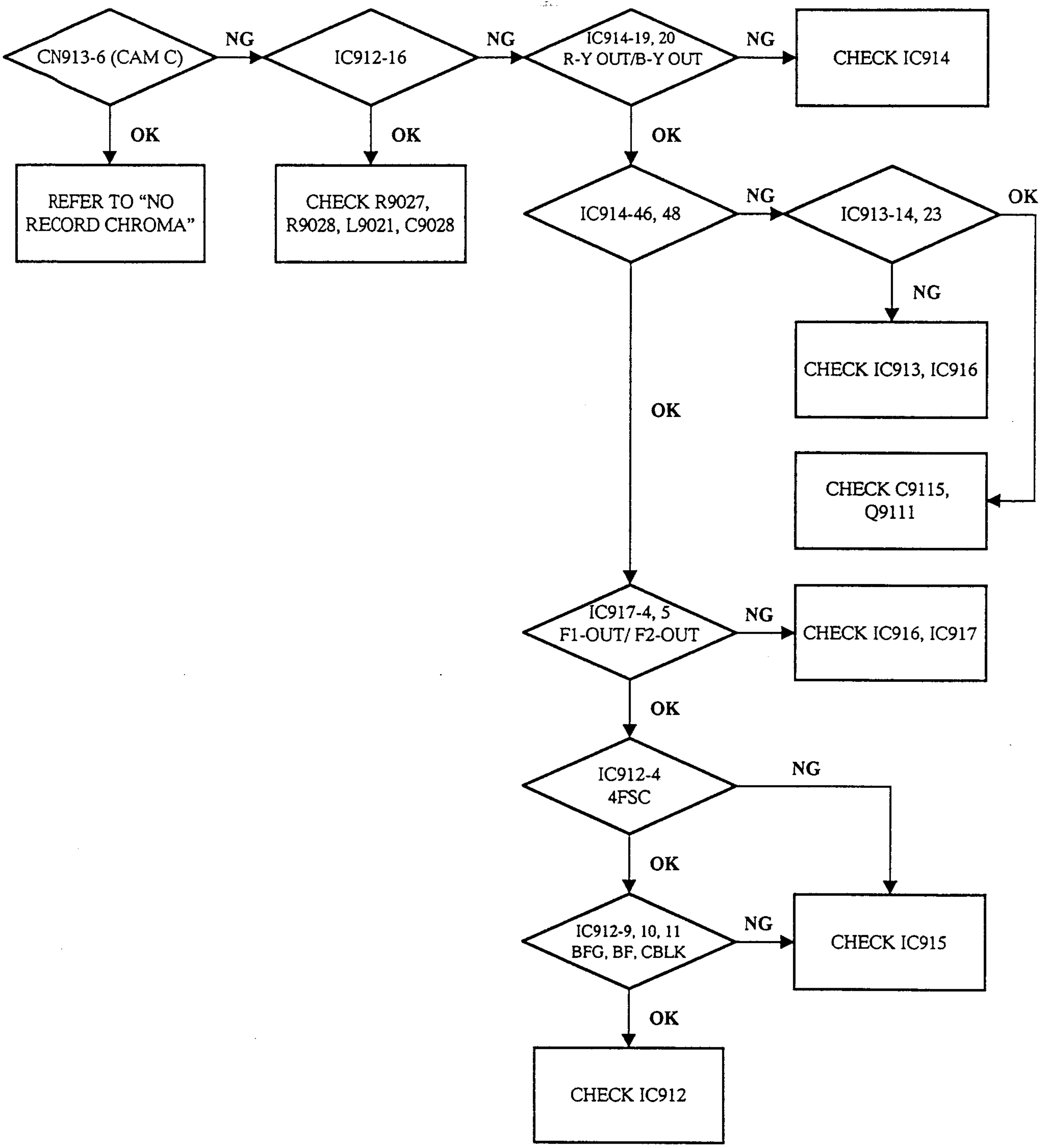

NO PICTURE
SET POWER SW TO "CAMERA"
RANDOM NOISE
YES
CN913-8 (CAM Y)
NG
REFER TO "INCORRECT AUTO IRIS"
OK
REFER TO "NO RECORD VIDEO"
NO
IC917-37, 38 (CCD OUT)
NG
IC919-10 (CCD OUT)
NG
2
OK
CHECK Q9160
OK
IC917-3 (GY OUT)
NG
CHECK IC916, IC917
OK
IC914-64 LUMA
NG
CHECK T9190
OK
1

NO PICTURE (Continued)

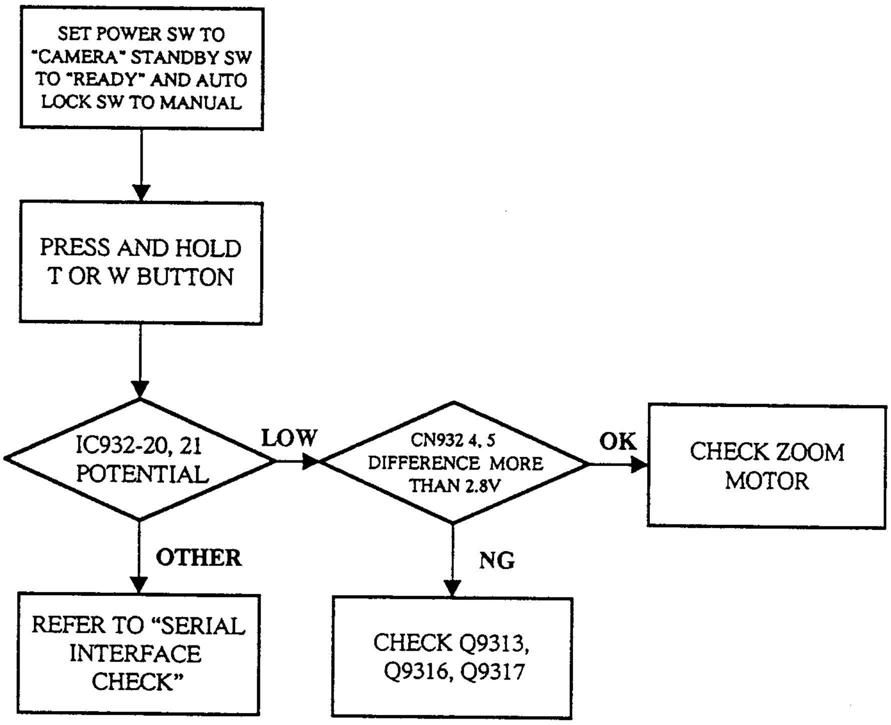

1
IC914-6 LUMA
NG
CHECK IC914
OK
IC912-35 LUMA
NG
CHECK Q9070, Q9071, T9020
OK
CHECK IC912


2
CN912-6, 11/ 7, 10 15V/ -9V
NG
CHECK 15V& -9V LINE
OK
IC919-3~6, 13, 17, 18 PULSES
NG
CHECK IC916, IC918, Q9161, Q9162
OK
CHECK IC919

NO COLOR

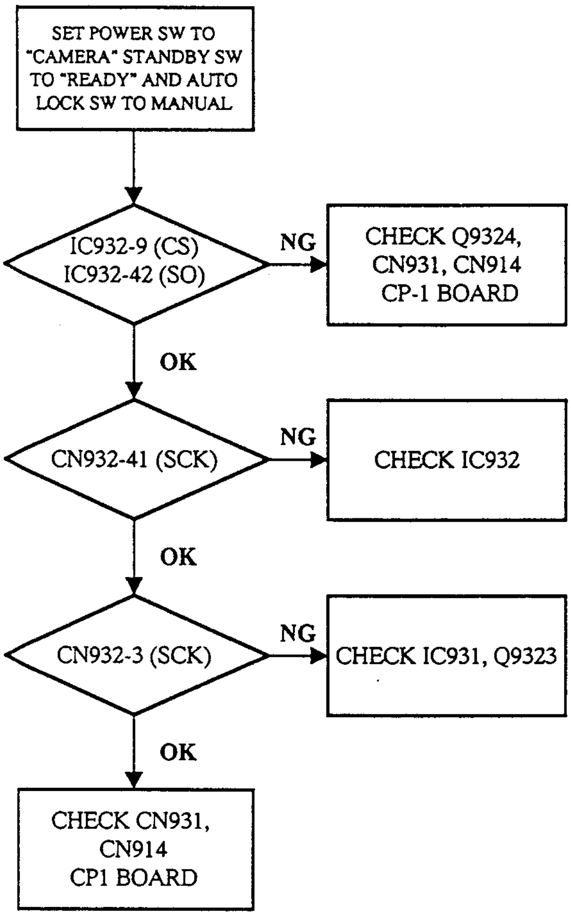

CN913-6 (CAM C)
NG
IC912-16
NG
IC914-19, 20
R-Y OUT/B-Y OUT
NG
CHECK IC914
OK
REFER TO "NO RECORD CHROMA"
OK
CHECK R9027, R9028, L9021, C9028
OK
IC914-46, 48
NG
IC913-14, 23
OK
NG
CHECK IC913, IC916
OK
CHECK C9115, Q9111
IC917-4, 5
F1-OUT/ F2-OUT
NG
CHECK IC916, IC917
OK
IC912-4
4FSC
NG
OK
IC912-9, 10, 11
BFG, BF, CBLK
NG
CHECK IC915
OK
CHECK IC912

POWER ZOOM INOPERATIVE

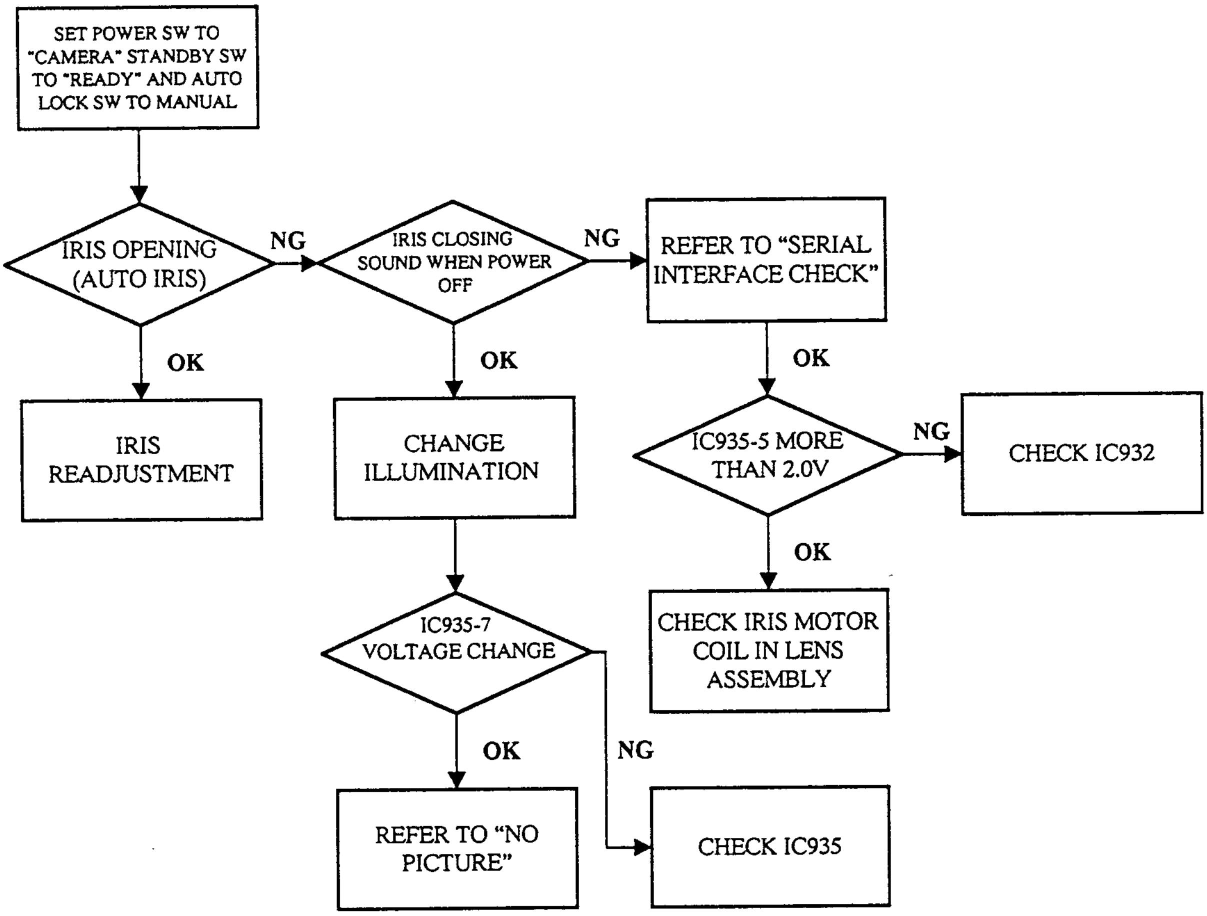

SET POWER SW TO "CAMERA" STANDBY SW TO "READY" AND AUTO LOCK SW TO MANUAL
PRESS AND HOLD T OR W BUTTON
IC932-20, 21 POTENTIAL
LOW
CN932 4, 5 DIFFERENCE MORE THAN 2.8V
OK
CHECK ZOOM MOTOR
OTHER
REFER TO "SERIAL INTERFACE CHECK"
NG
CHECK Q9313, Q9316, Q9317

NO AF/ MF CHANGE AND POWER ZOOM INOPERATIVE

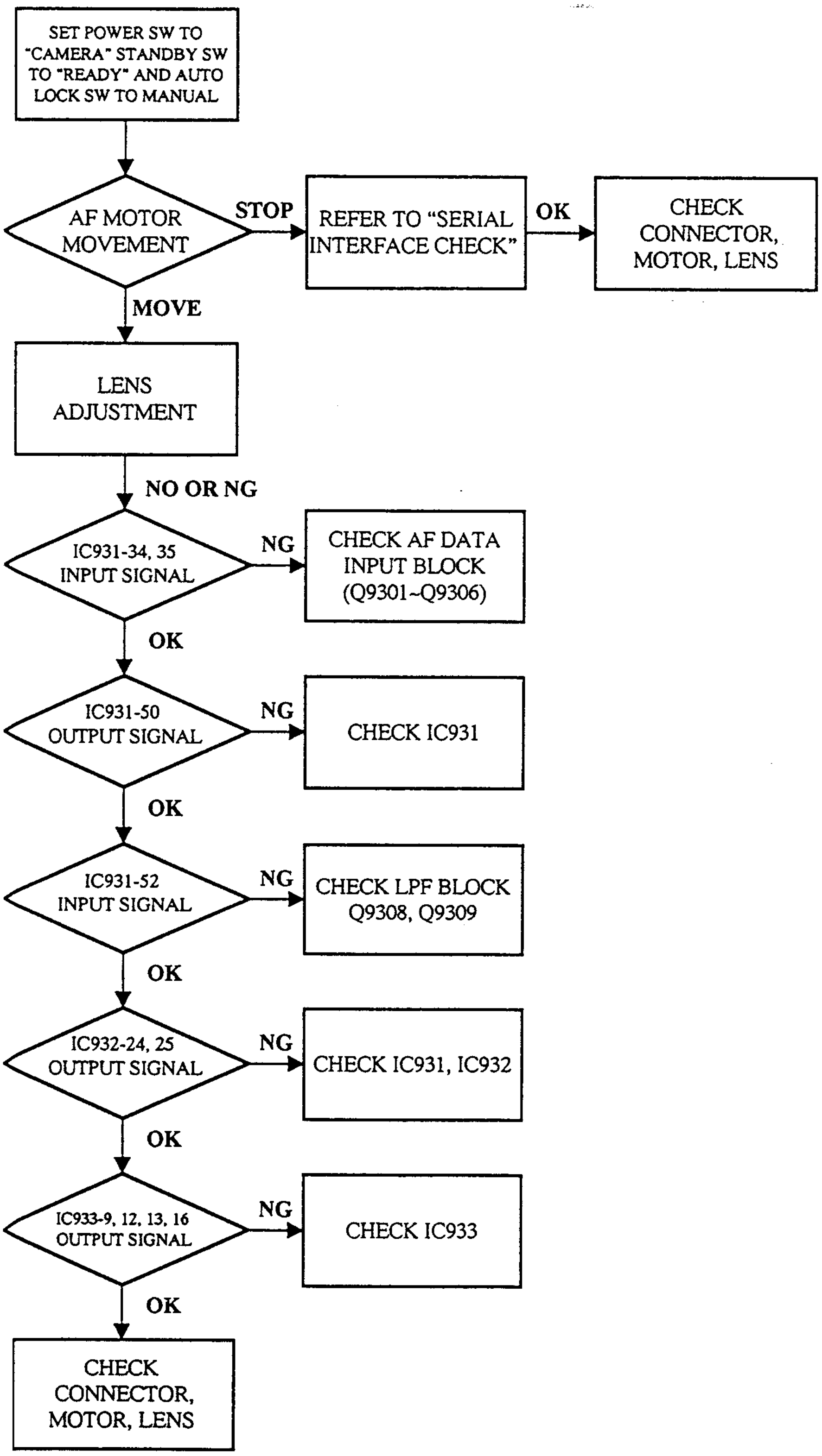
SERIAL INTERFACE CHECK


SET POWER SW TO "CAMERA" STANDBY SW TO "READY" AND AUTO LOCK SW TO MANUAL
IC932-9 (CS)
IC932-42 (SO)
NG
CHECK Q9324, CN931, CN914 CP-1 BOARD
OK
CN932-41 (SCK)
NG
CHECK IC932
OK
CN932-3 (SCK)
NG
CHECK IC931, Q9323
OK
CHECK CN931, CN914 CP1 BOARD

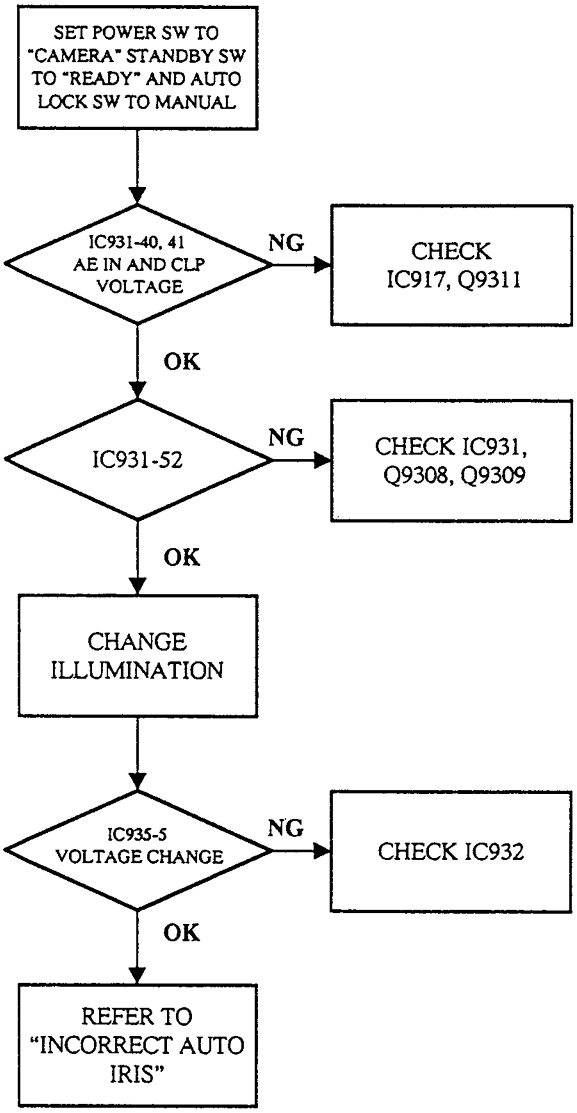
INCORRECT AUTO IRIS


SET POWER SW TO "CAMERA" STANDBY SW TO "READY" AND AUTO LOCK SW TO MANUAL
IRIS OPENING (AUTO IRIS)
NG
IRIS CLOSING SOUND WHEN POWER OFF
NG
REFER TO "SERIAL INTERFACE CHECK"
OK
IRIS READJUSTMENT
OK
CHANGE ILLUMINATION
OK
IC935-5 MORE THAN 2.0V
NG
CHECK IC932
OK
CHECK IRIS MOTOR COIL IN LENS ASSEMBLY
IC935-7 VOLTAGE CHANGE
OK
NG
REFER TO "NO PICTURE"
CHECK IC935

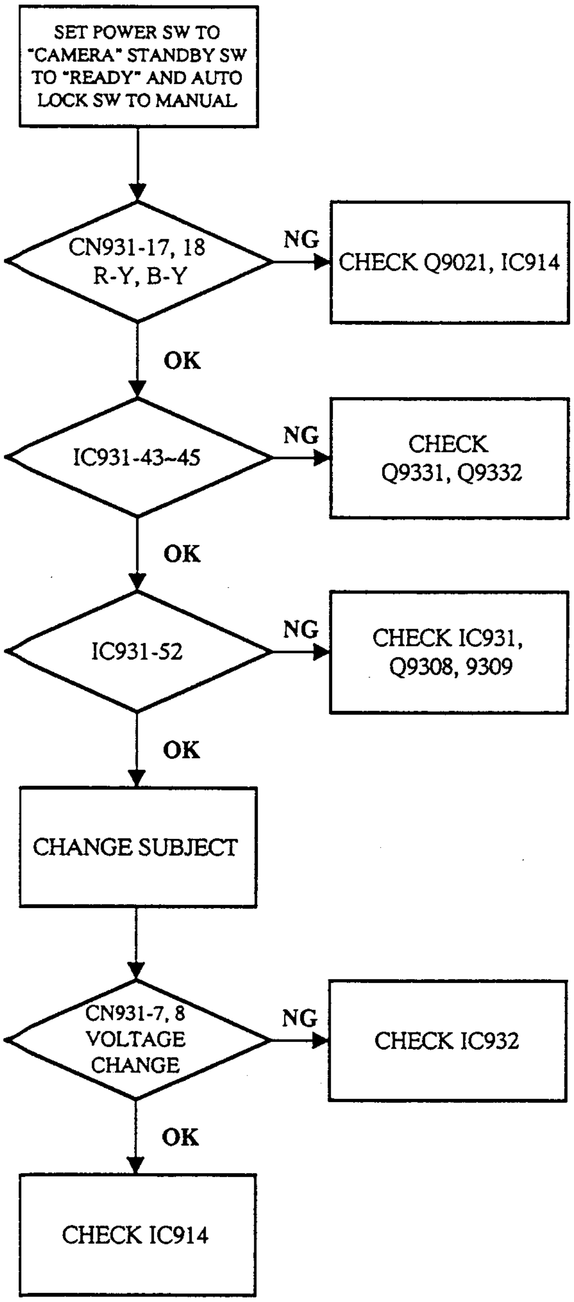
AUTO-FOCUS INOPERATIVE


SET POWER SW TO "CAMERA" STANDBY SW TO "READY" AND AUTO LOCK SW TO MANUAL
AF MOTOR MOVEMENT
STOP
REFER TO "SERIAL INTERFACE CHECK"
OK
CHECK CONNECTOR, MOTOR, LENS
MOVE
LENS ADJUSTMENT
NO OR NG
IC931-34, 35 INPUT SIGNAL
NG
CHECK AF DATA INPUT BLOCK (Q9301~Q9306)
OK
IC931-50 OUTPUT SIGNAL
NG
CHECK IC931
OK
IC931-52 INPUT SIGNAL
NG
CHECK LPF BLOCK Q9308, Q9309
OK
IC932-24, 25 OUTPUT SIGNAL
NG
CHECK IC931, IC932
OK
IC933-9, 12, 13, 16 OUTPUT SIGNAL
NG
CHECK IC933
OK
CHECK CONNECTOR, MOTOR, LENS

INCORRECT AUTO EXPOSURE

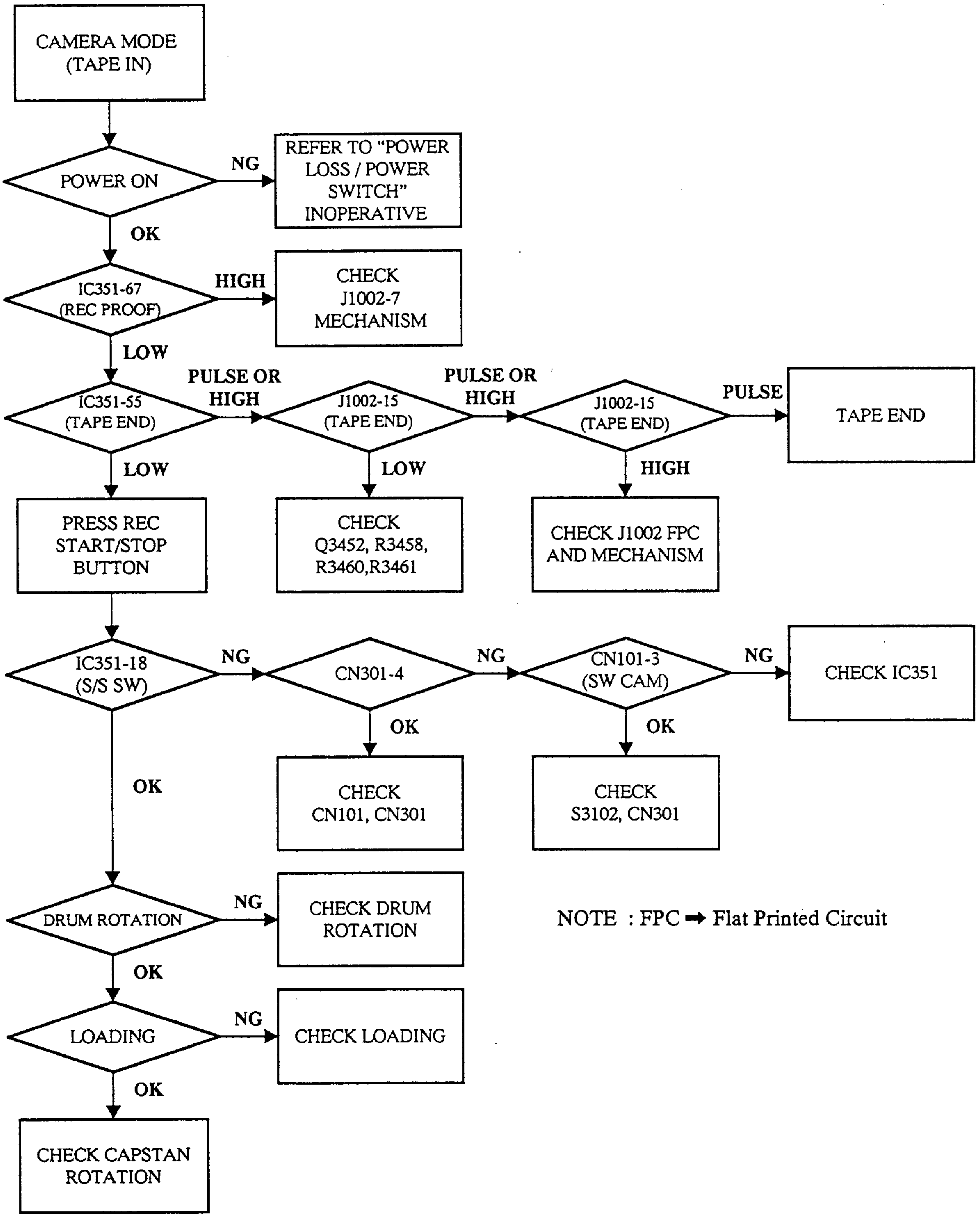

SET POWER SW TO "CAMERA" STANDBY SW TO "READY" AND AUTO LOCK SW TO MANUAL
IC931-40, 41 AE IN AND CLP VOLTAGE
NG
CHECK IC917, Q9311
OK
IC931-52
NG
CHECK IC931, Q9308, Q9309
OK
CHANGE ILLUMINATION
IC935-5 VOLTAGE CHANGE
NG
CHECK IC932
OK
REFER TO "INCORRECT AUTO IRIS"

INCORRECT AUTO WHITE BALANCE


SET POWER SW TO "CAMERA" STANDBY SW TO "READY" AND AUTO LOCK SW TO MANUAL
CN931-17, 18 R-Y, B-Y
NG
CHECK Q9021, IC914
OK
IC931-43~45
NG
CHECK Q9331, Q9332
OK
IC931-52
NG
CHECK IC931, Q9308, 9309
OK
CHANGE SUBJECT
CN931-7, 8 VOLTAGE CHANGE
NG
CHECK IC932
OK
CHECK IC914

8-2. SERVO/SYSTEM CONTROL CIRCUIT

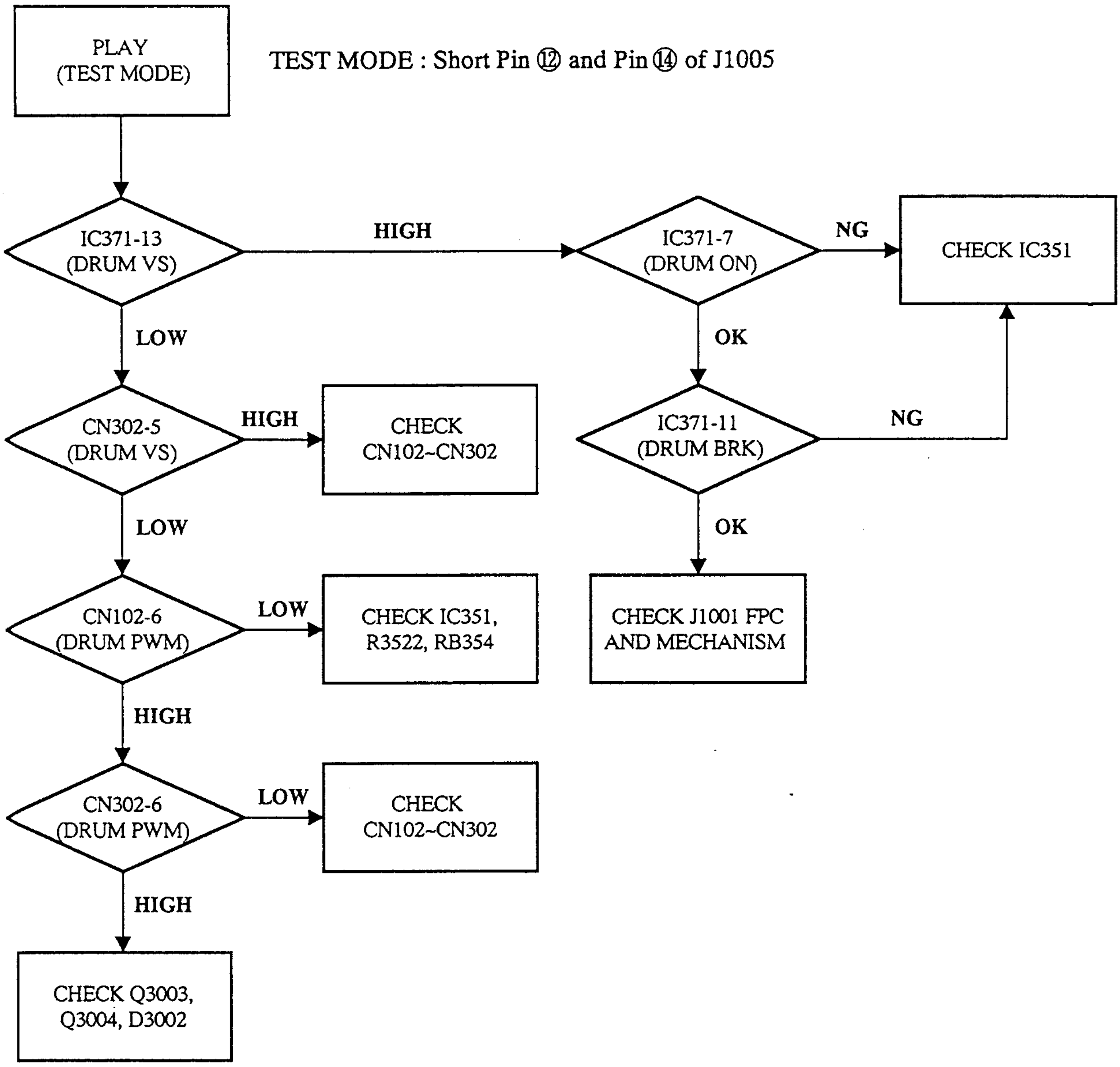
RECORD MODE INOPERATIVE


CAMERA MODE (TAPE IN)
POWER ON
NG
REFER TO "POWER LOSS / POWER SWITCH" INOPERATIVE
OK
IC351-67 (REC PROOF)
HIGH
CHECK J1002-7 MECHANISM
LOW
IC351-55 (TAPE END)
PULSE OR HIGH
J1002-15 (TAPE END)
PULSE OR HIGH
J1002-15 (TAPE END)
PULSE
TAPE END
LOW
PRESS REC START/STOP BUTTON
LOW
CHECK Q3452, R3458, R3460,R3461
HIGH
CHECK J1002 FPC AND MECHANISM
IC351-18 (S/S SW)
NG
CN301-4
NG
CN101-3 (SW CAM)
NG
CHECK IC351
OK
CHECK CN101, CN301
OK
CHECK S3102, CN301
OK
DRUM ROTATION
NG
CHECK DRUM ROTATION
OK
LOADING
NG
CHECK LOADING
OK
CHECK CAPSTAN ROTATION

NOTE : FPC → Flat Printed Circuit

DRUM DOES NOT ROTATE

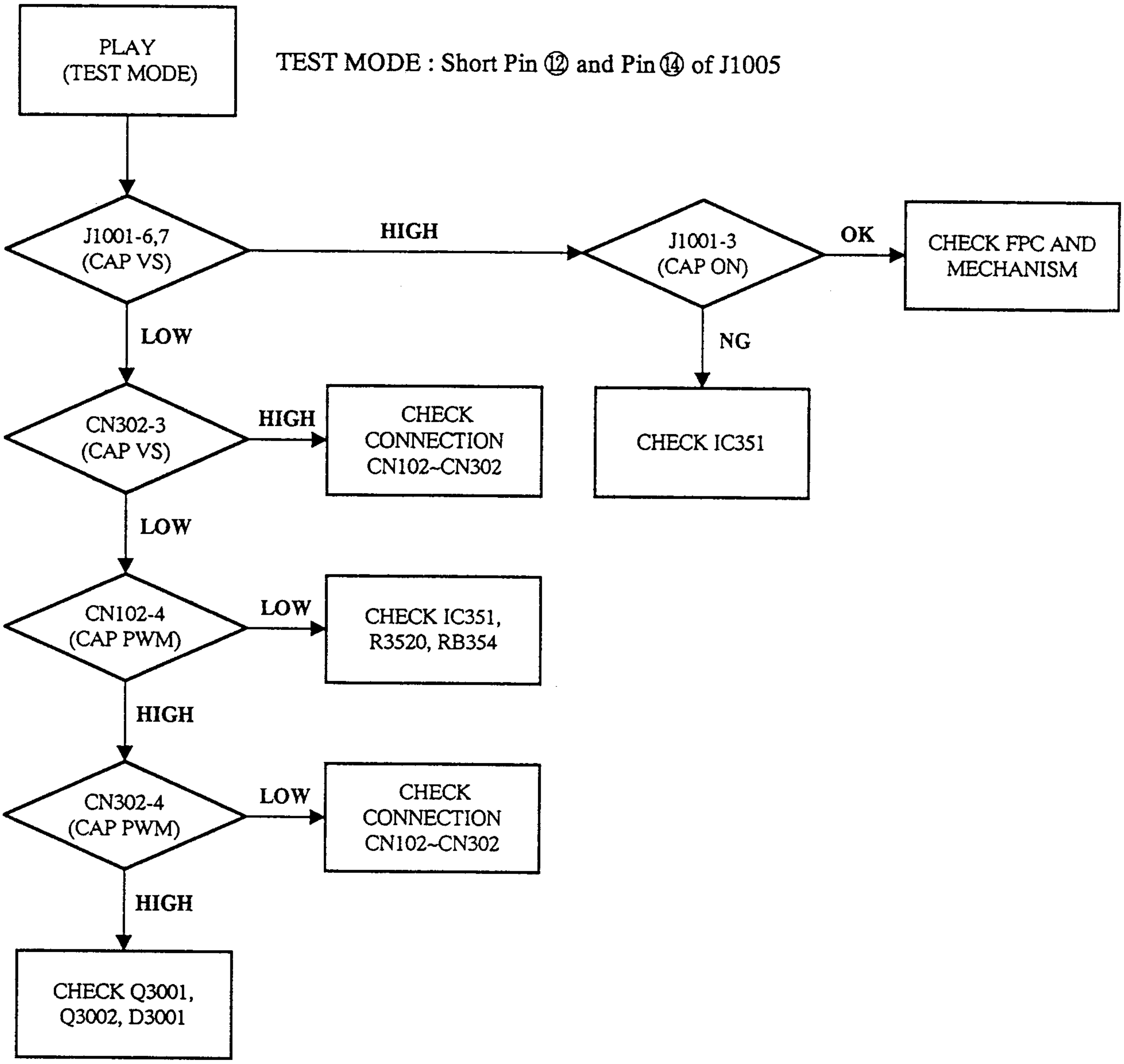
TEST MODE : Short Pin ⑫ and Pin ⑭ of J1005



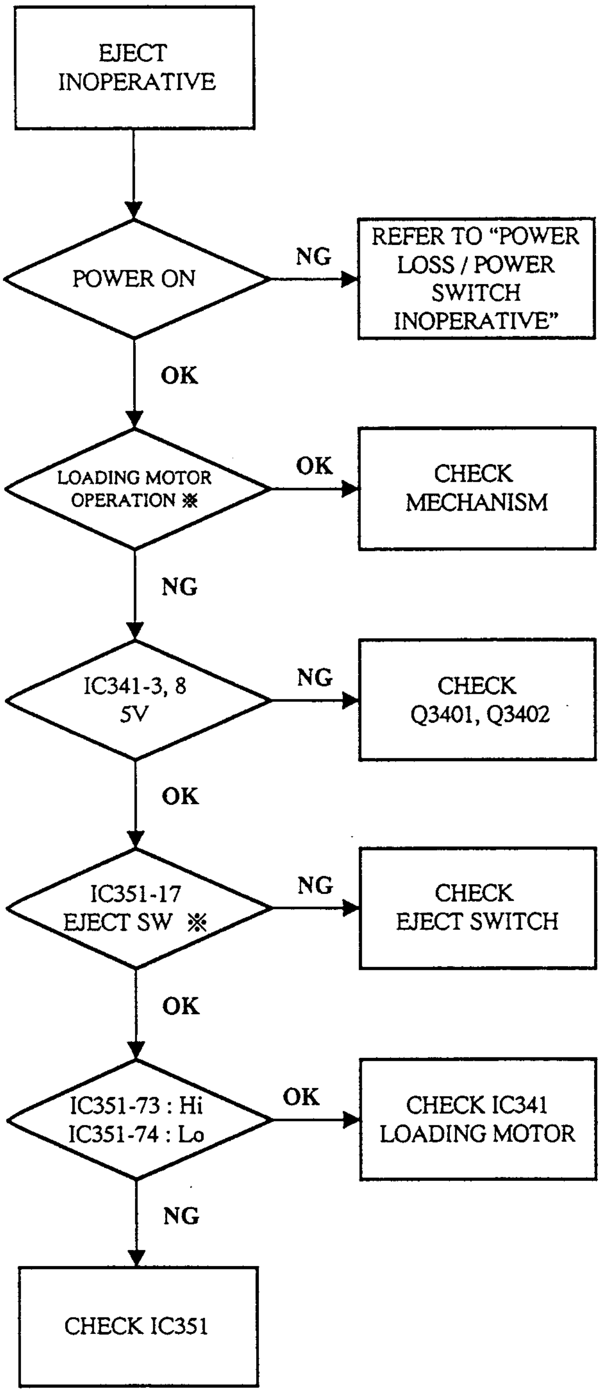
PLAY (TEST MODE)
IC371-13 (DRUM VS)
HIGH
IC371-7 (DRUM ON)
NG
CHECK IC351
LOW
OK
CN302-5 (DRUM VS)
HIGH
CHECK CN102~CN302
IC371-11 (DRUM BRK)
NG
LOW
OK
CN102-6 (DRUM PWM)
LOW
CHECK IC351, R3522, RB354
CHECK J1001 FPC AND MECHANISM
HIGH
CN302-6 (DRUM PWM)
LOW
CHECK CN102~CN302
HIGH
CHECK Q3003, Q3004, D3002

CAPSTAN DOES NOT ROTATE

TEST MODE : Short Pin ⑫ and Pin ⑭ of J1005


PLAY (TEST MODE)
J1001-6,7 (CAP VS)
HIGH
J1001-3 (CAP ON)
OK
CHECK FPC AND MECHANISM
NG
CHECK IC351
LOW
CN302-3 (CAP VS)
HIGH
CHECK CONNECTION CN102~CN302
LOW
CN102-4 (CAP PWM)
LOW
CHECK IC351, R3520, RB354
HIGH
CN302-4 (CAP PWM)
LOW
CHECK CONNECTION CN102~CN302
HIGH
CHECK Q3001, Q3002, D3001

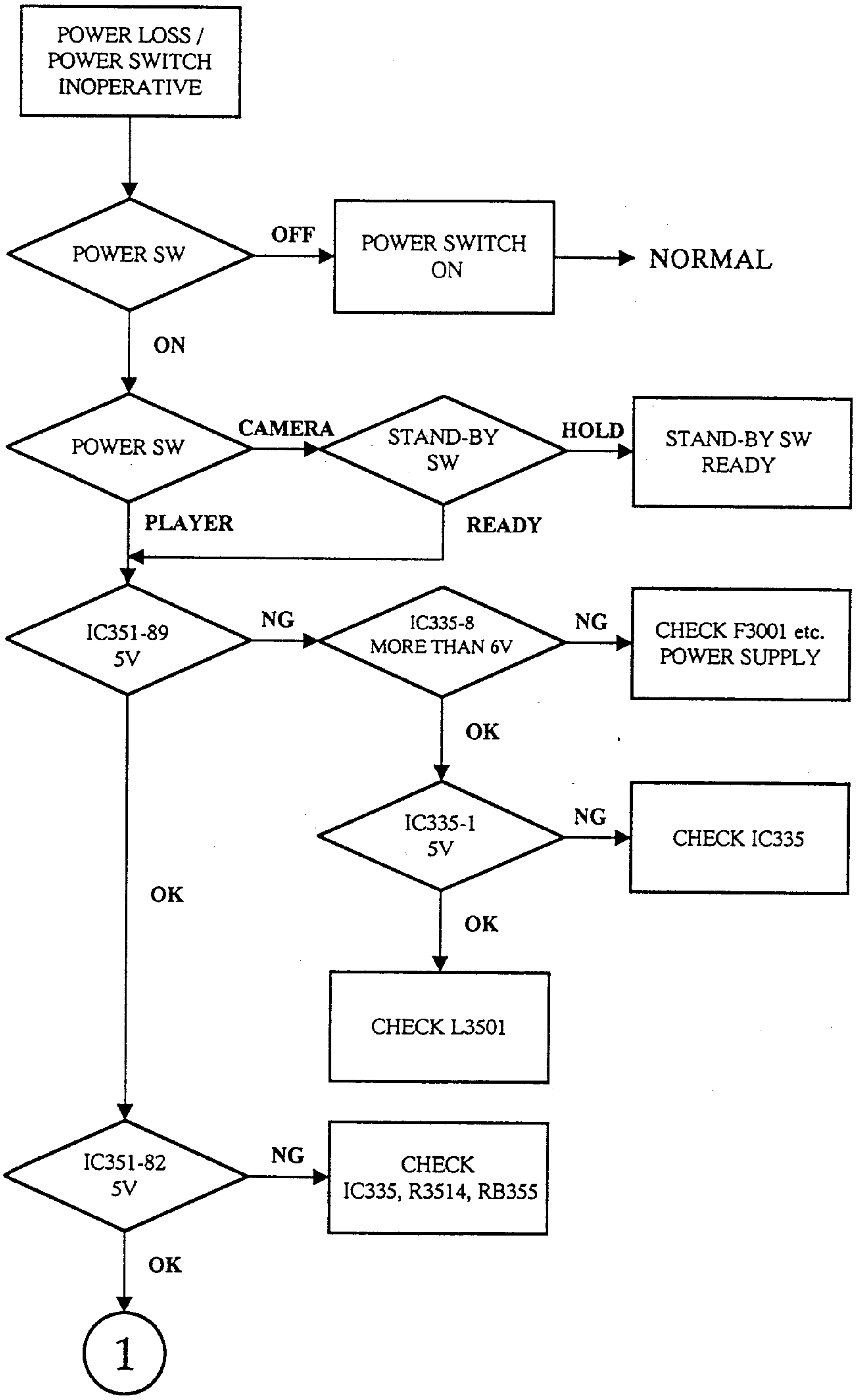
EJECT INOPERATIVE


EJECT INOPERATIVE
POWER ON
NG
REFER TO "POWER LOSS / POWER SWITCH INOPERATIVE"
OK
LOADING MOTOR OPERATION ※
OK
CHECK MECHANISM
NG
IC341-3, 8 5V
NG
CHECK Q3401, Q3402
OK
IC351-17 EJECT SW ※
NG
CHECK EJECT SWITCH
OK
IC351-73 : Hi IC351-74 : Lo
OK
CHECK IC341 LOADING MOTOR
NG
CHECK IC351

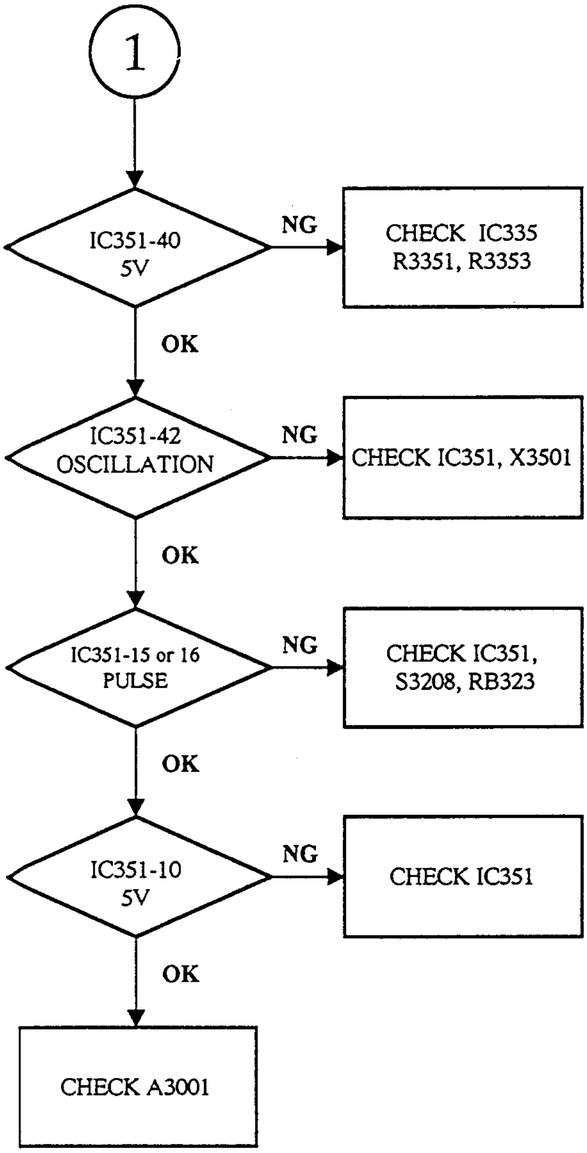
※ Loading Motor starts unloading when EJECT BUTTON is pressed.

※ Pulse (Lo → Hi) input at IC351-17 when EJECT BUTTON is pressed.

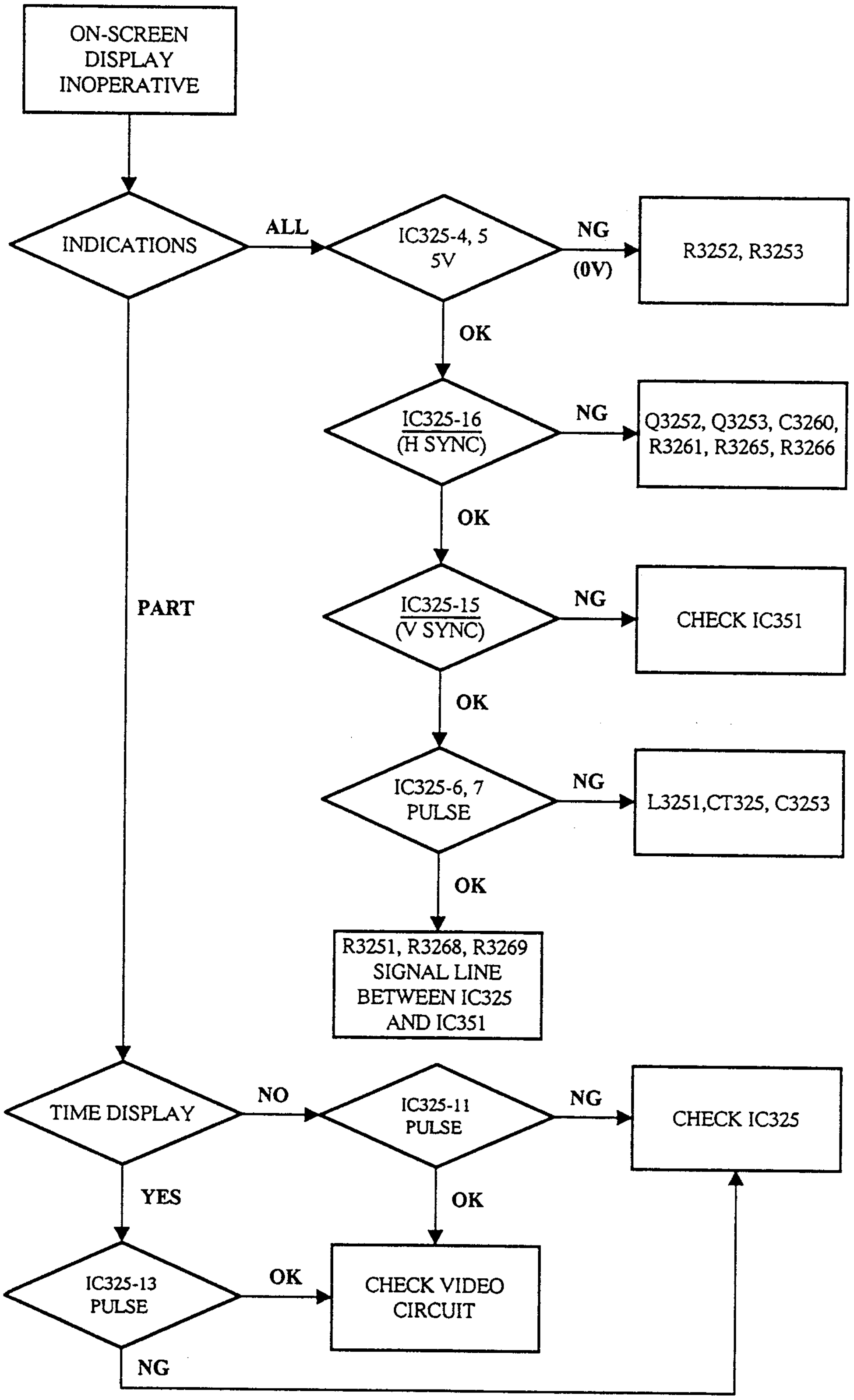
POWER LOSS / POWER SWITCH INOPERATIVE


POWER LOSS / POWER SWITCH INOPERATIVE
POWER SW
OFF
POWER SWITCH ON
NORMAL
ON
POWER SW
CAMERA
STAND-BY SW
HOLD
STAND-BY SW READY
PLAYER
READY
IC351-89 5V
NG
IC335-8 MORE THAN 6V
NG
CHECK F3001 etc. POWER SUPPLY
OK
IC335-1 5V
NG
CHECK IC335
OK
OK
CHECK L3501
IC351-82 5V
NG
CHECK IC335, R3514, RB355
OK
1

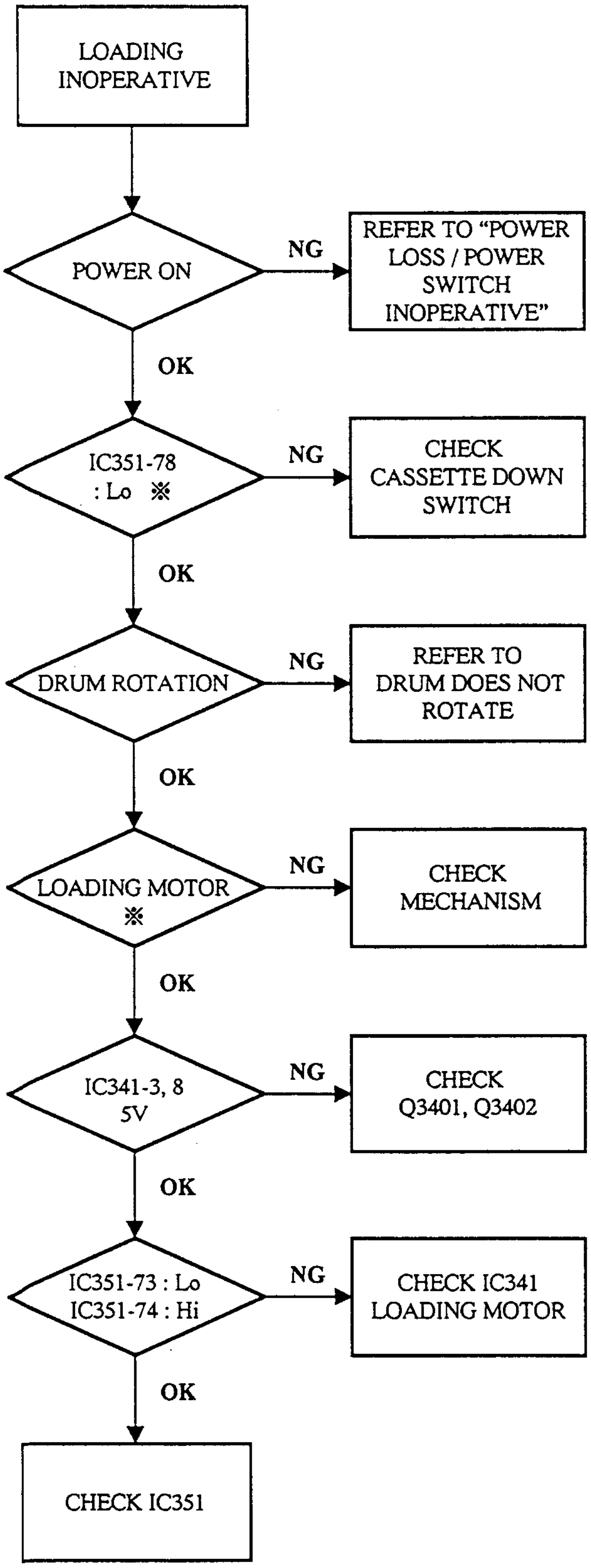
POWER LOSS / POWER SWITCH INOPERATIVE (Continued)


1
IC351-40
5V
NG
CHECK IC335
R3351, R3353
OK
IC351-42
OSCILLATION
NG
CHECK IC351, X3501
OK
IC351-15 or 16
PULSE
NG
CHECK IC351,
S3208, RB323
OK
IC351-10
5V
NG
CHECK IC351
OK
CHECK A3001

ON-SCREEN DISPLAY INOPERATIVE


ON-SCREEN DISPLAY INOPERATIVE
INDICATIONS
ALL
IC325-4, 5 5V
NG
(0V)
R3252, R3253
OK
IC325-16 (H SYNC)
NG
Q3252, Q3253, C3260, R3261, R3265, R3266
OK
IC325-15 (V SYNC)
NG
CHECK IC351
OK
IC325-6, 7 PULSE
NG
L3251,CT325, C3253
OK
R3251, R3268, R3269 SIGNAL LINE BETWEEN IC325 AND IC351
PART
TIME DISPLAY
NO
IC325-11 PULSE
NG
CHECK IC325
OK
YES
IC325-13 PULSE
OK
CHECK VIDEO CIRCUIT
NG

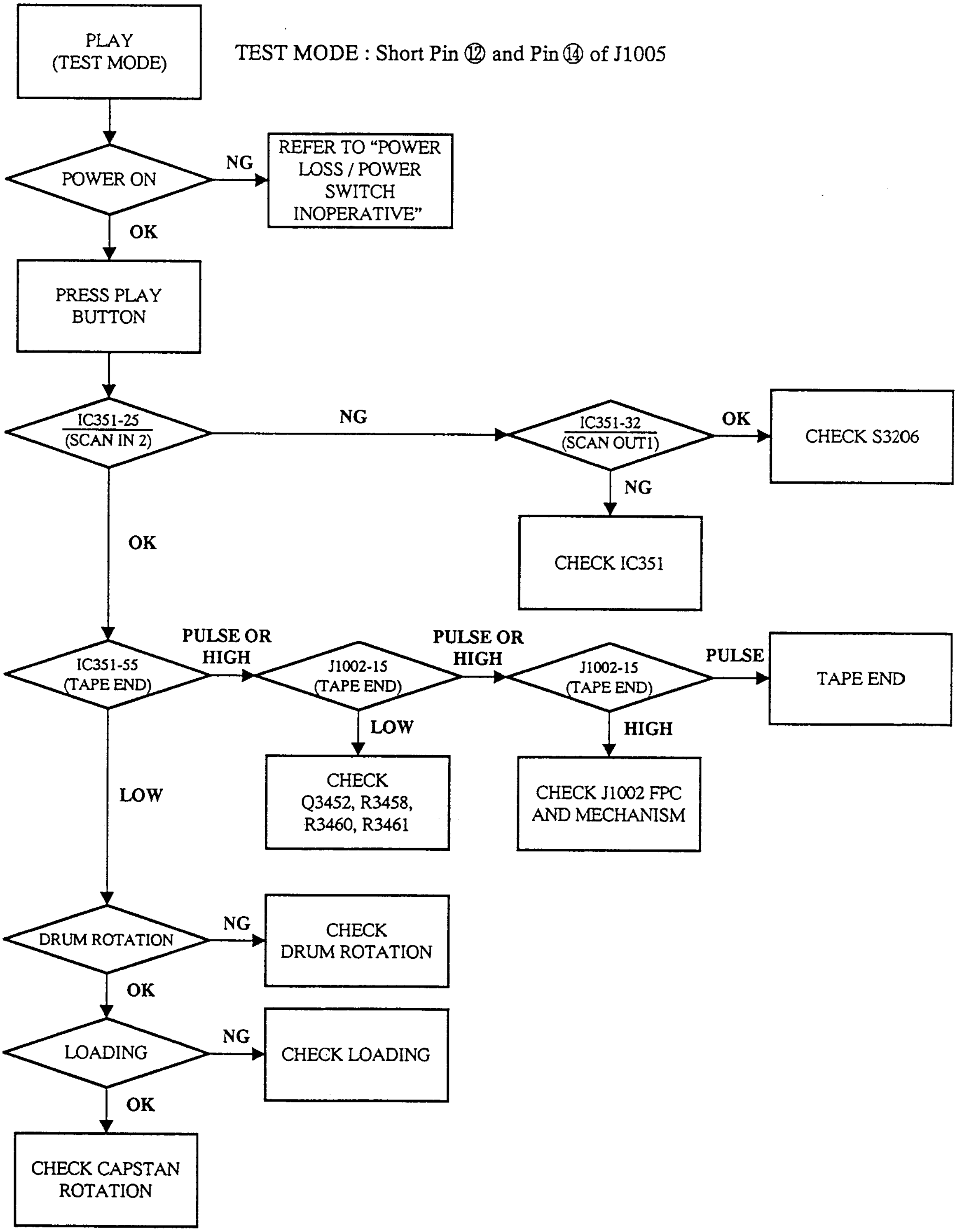
LOADING INOPERATIVE


LOADING INOPERATIVE
POWER ON
NG
REFER TO "POWER LOSS / POWER SWITCH INOPERATIVE"
OK
IC351-78 : Lo ※
NG
CHECK CASSETTE DOWN SWITCH
OK
DRUM ROTATION
NG
REFER TO DRUM DOES NOT ROTATE
OK
LOADING MOTOR ※
NG
CHECK MECHANISM
OK
IC341-3, 8 5V
NG
CHECK Q3401, Q3402
OK
IC351-73 : Lo
IC351-74 : Hi
NG
CHECK IC341 LOADING MOTOR
OK
CHECK IC351

※ IC351-78 Hi : Cassette holder up
Lo : Cassette holder down

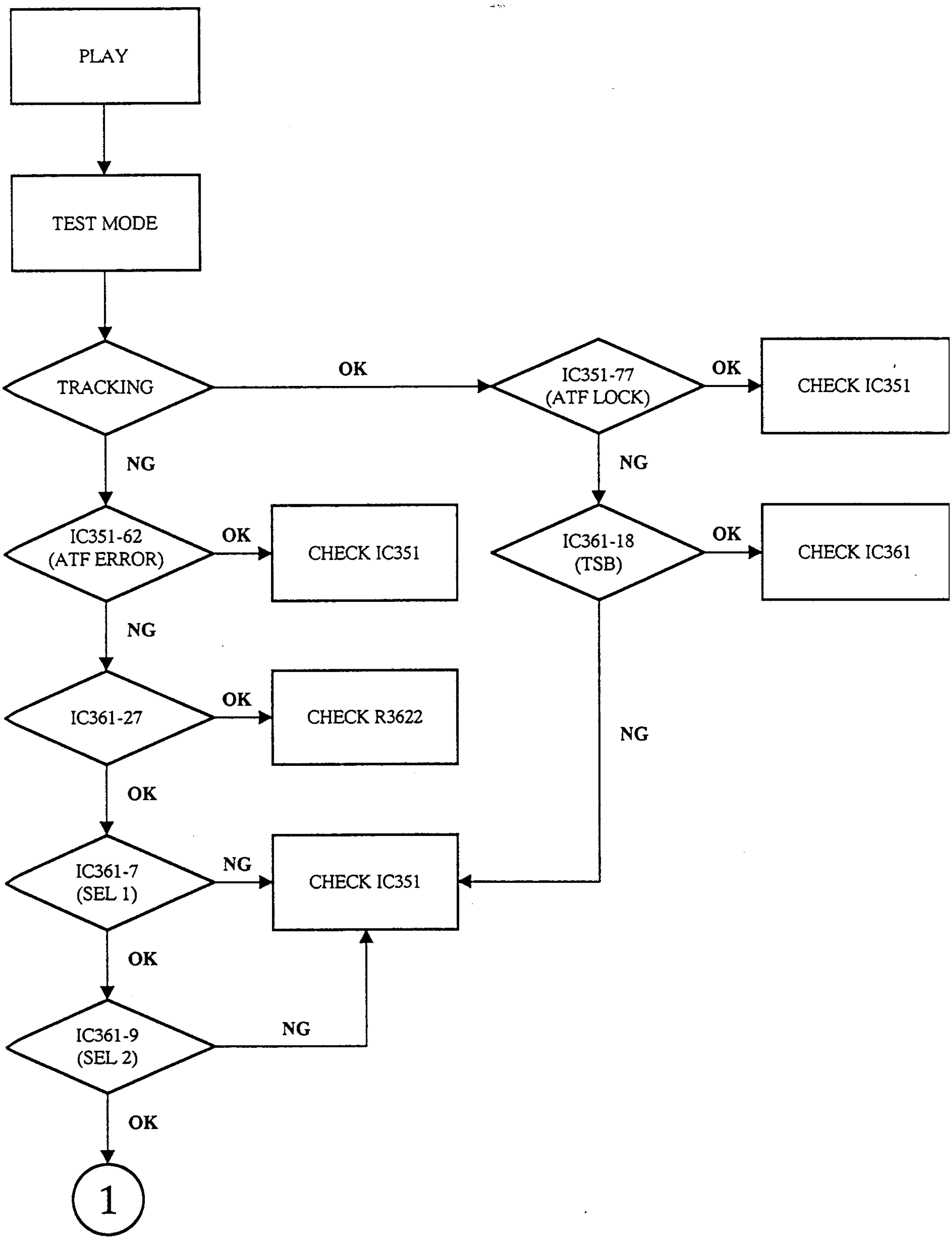
※ Loading Motor starts loading when cassette holder is down.

PLAY MODE INOPERATIVE

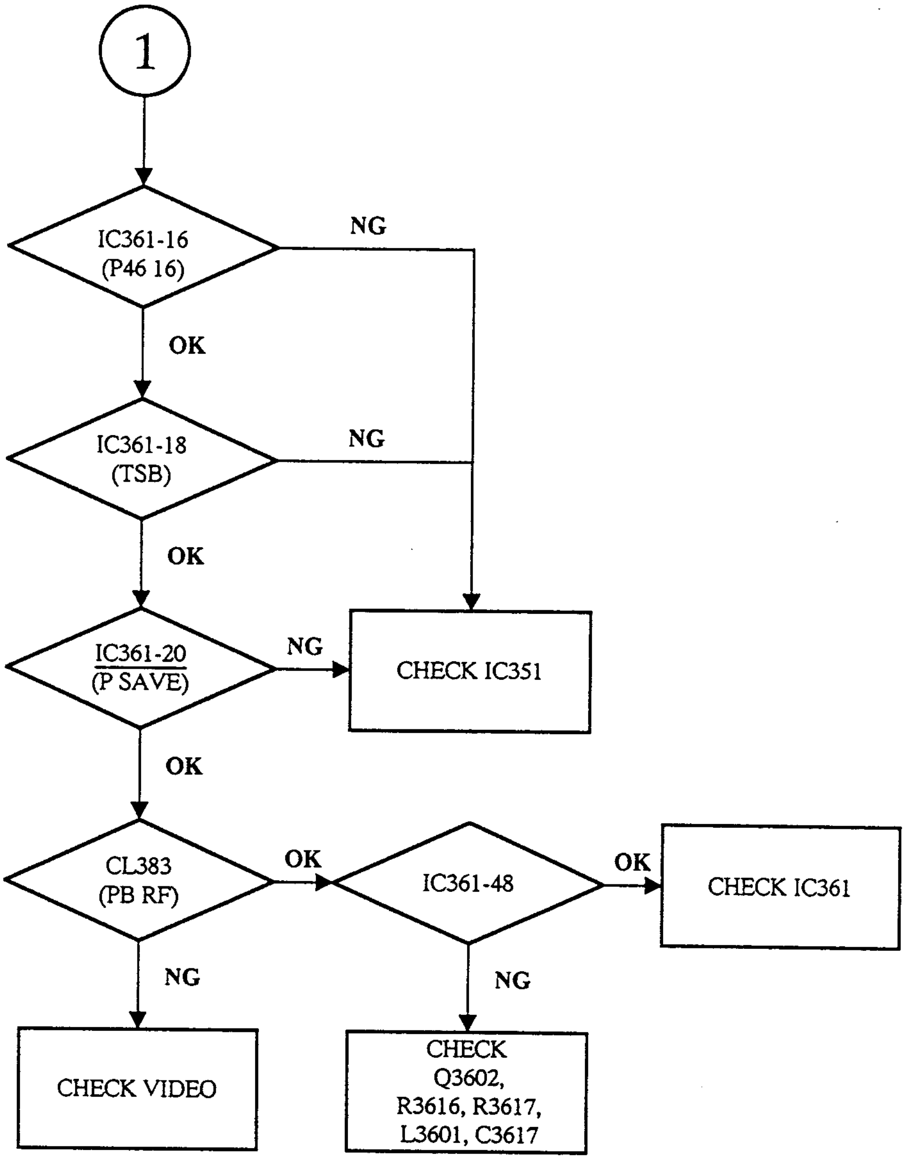

TEST MODE : Short Pin ⑫ and Pin ⑭ of J1005

PLAY (TEST MODE)
POWER ON
NG
REFER TO "POWER LOSS / POWER SWITCH INOPERATIVE"
OK
PRESS PLAY BUTTON
IC351-25 (SCAN IN 2)
NG
IC351-32 (SCAN OUT1)
OK
CHECK S3206
NG
CHECK IC351
OK
IC351-55 (TAPE END)
PULSE OR HIGH
J1002-15 (TAPE END)
PULSE OR HIGH
J1002-15 (TAPE END)
PULSE
TAPE END
LOW
CHECK Q3452, R3458, R3460, R3461
HIGH
CHECK J1002 FPC AND MECHANISM
LOW
DRUM ROTATION
NG
CHECK DRUM ROTATION
OK
LOADING
NG
CHECK LOADING
OK
CHECK CAPSTAN ROTATION

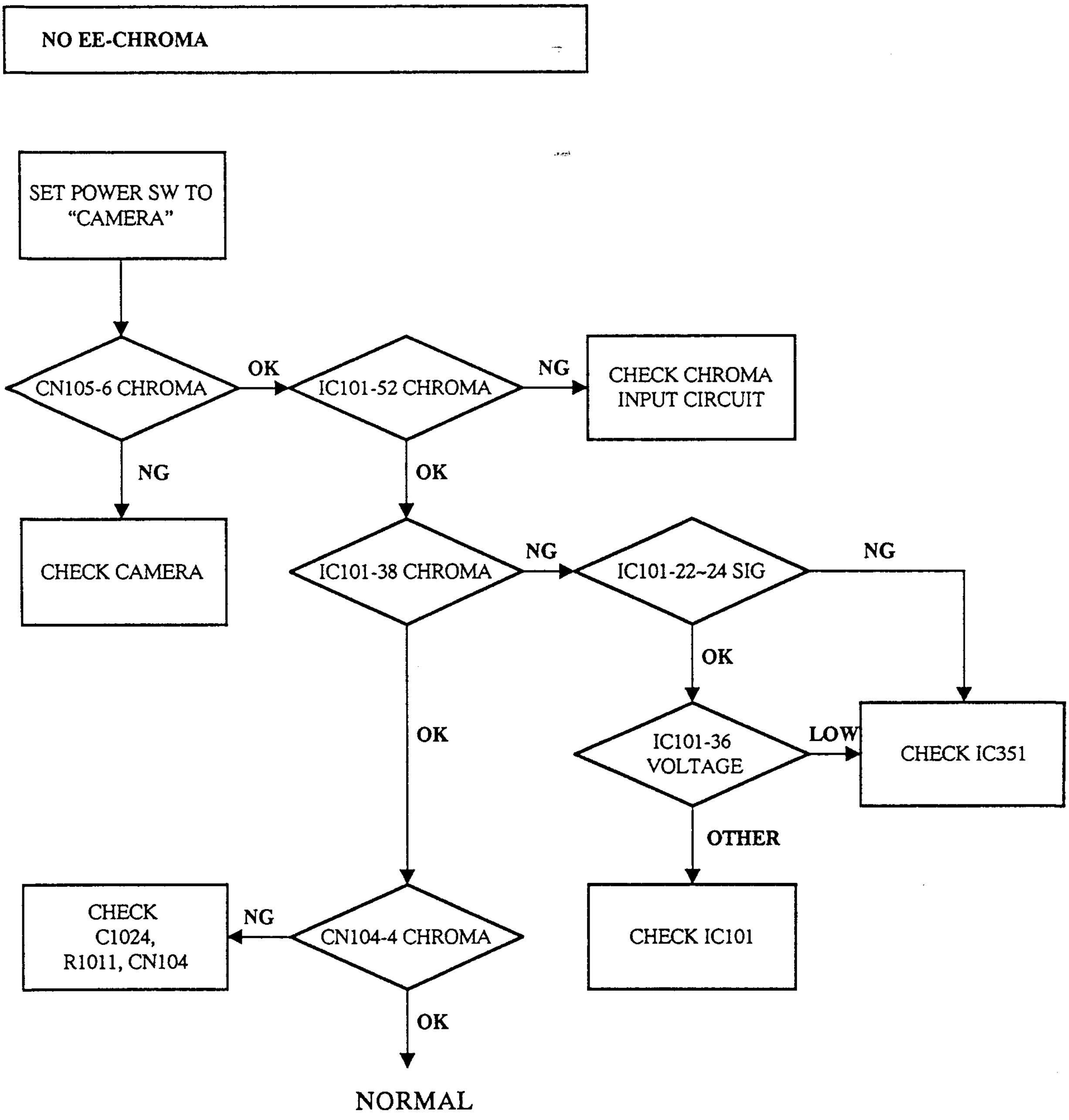
TRACKING INOPERATIVE


PLAY
TEST MODE
TRACKING
OK
NG
IC351-77
(ATF LOCK)
OK
CHECK IC351
NG
IC351-62
(ATF ERROR)
OK
CHECK IC351
NG
IC361-18
(TSB)
OK
CHECK IC361
NG
IC361-27
OK
CHECK R3622
OK
IC361-7
(SEL 1)
NG
CHECK IC351
OK
IC361-9
(SEL 2)
NG
OK
1

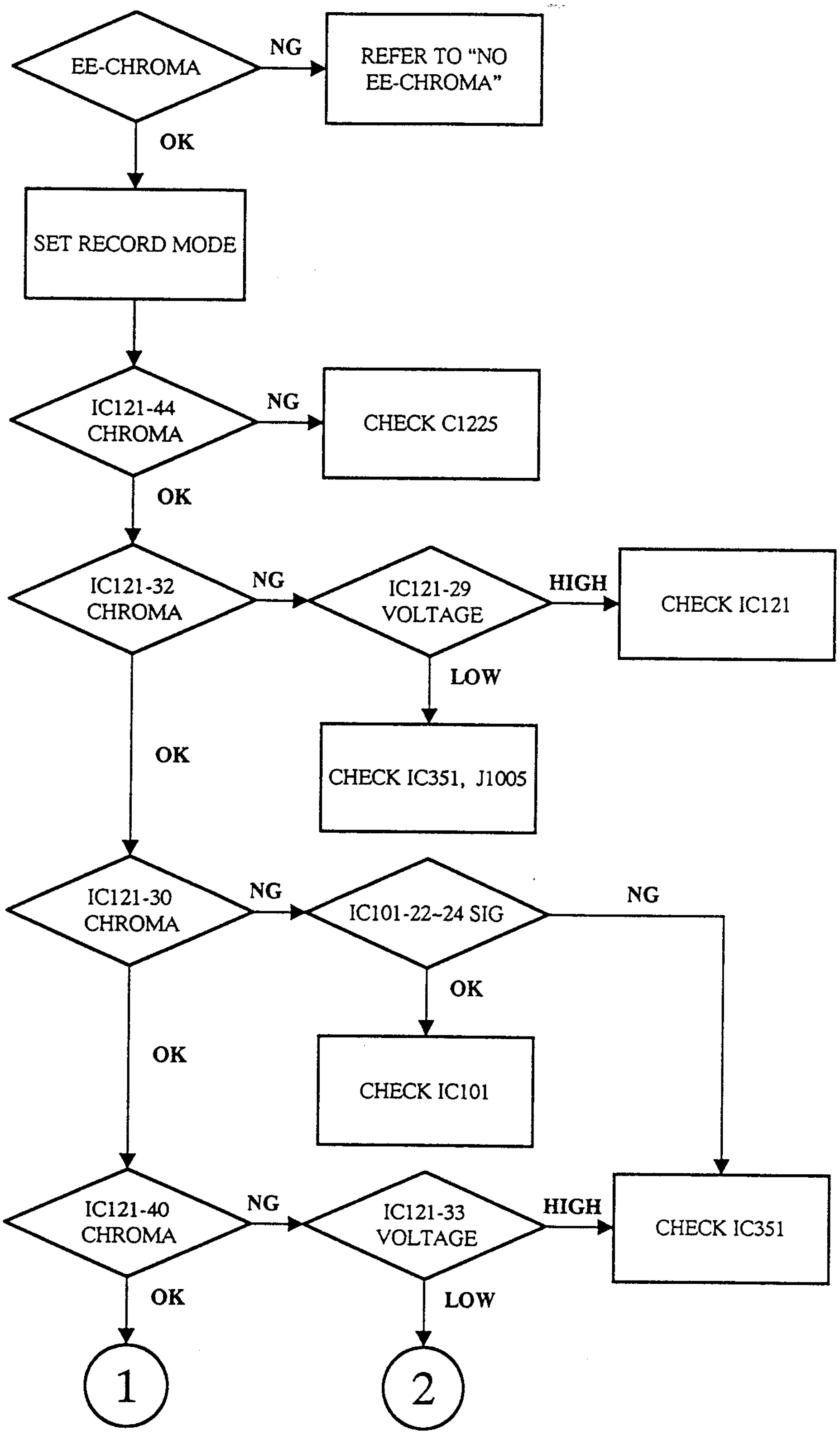
TRACKING INOPERATIVE (Continued)


1
IC361-16
(P46 16)
NG
OK
IC361-18
(TSB)
NG
OK
IC361-20
(P SAVE)
NG
CHECK IC351
OK
CL383
(PB RF)
OK
IC361-48
OK
CHECK IC361
NG
NG
CHECK VIDEO
CHECK
Q3602,
R3616, R3617,
L3601, C3617

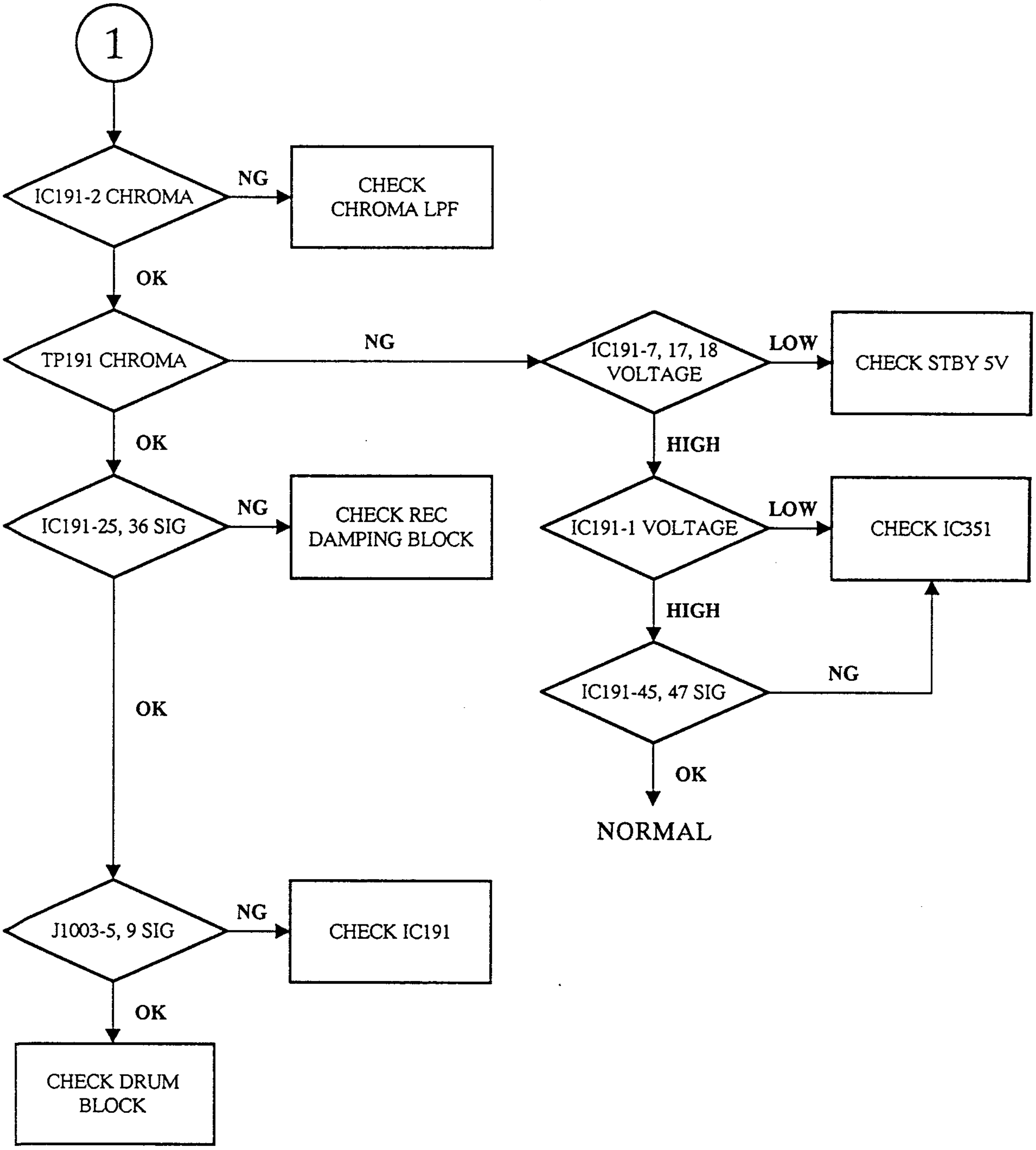
8-3. VIDEO CIRCUIT


NO EE-CHROMA
SET POWER SW TO "CAMERA"
CN105-6 CHROMA
OK
IC101-52 CHROMA
NG
CHECK CHROMA INPUT CIRCUIT
NG
CHECK CAMERA
OK
IC101-38 CHROMA
NG
IC101-22~24 SIG
NG
OK
IC101-36 VOLTAGE
LOW
CHECK IC351
OTHER
CHECK IC101
OK
CHECK C1024, R1011, CN104
NG
CN104-4 CHROMA
OK
NORMAL

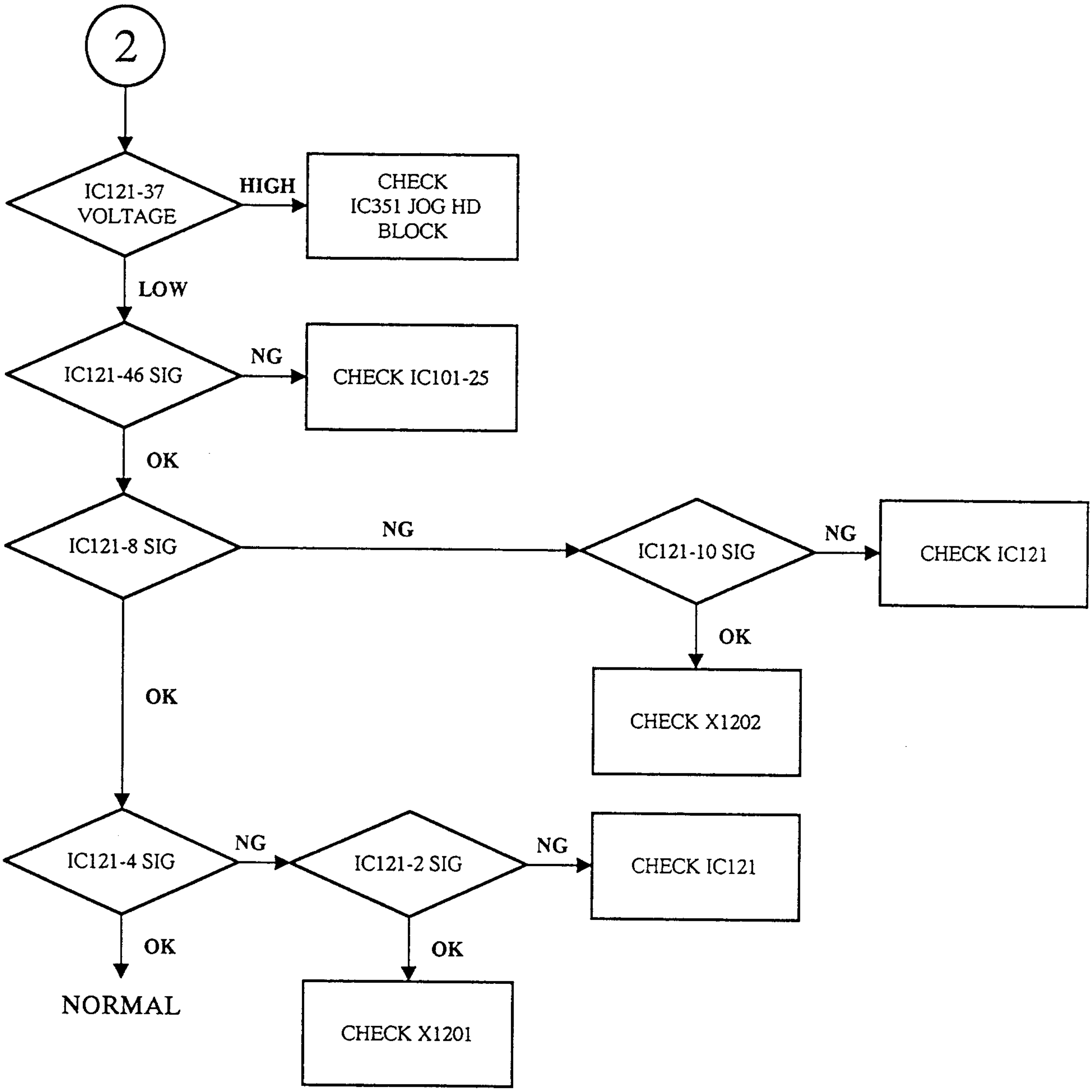
NO RECORD CHROMA


EE-CHROMA
NG
REFER TO "NO EE-CHROMA"
OK
SET RECORD MODE
IC121-44 CHROMA
NG
CHECK C1225
OK
IC121-32 CHROMA
NG
IC121-29 VOLTAGE
HIGH
CHECK IC121
LOW
CHECK IC351, J1005
OK
IC121-30 CHROMA
NG
IC101-22~24 SIG
NG
OK
CHECK IC101
OK
IC121-40 CHROMA
NG
IC121-33 VOLTAGE
HIGH
CHECK IC351
OK
LOW
1
2

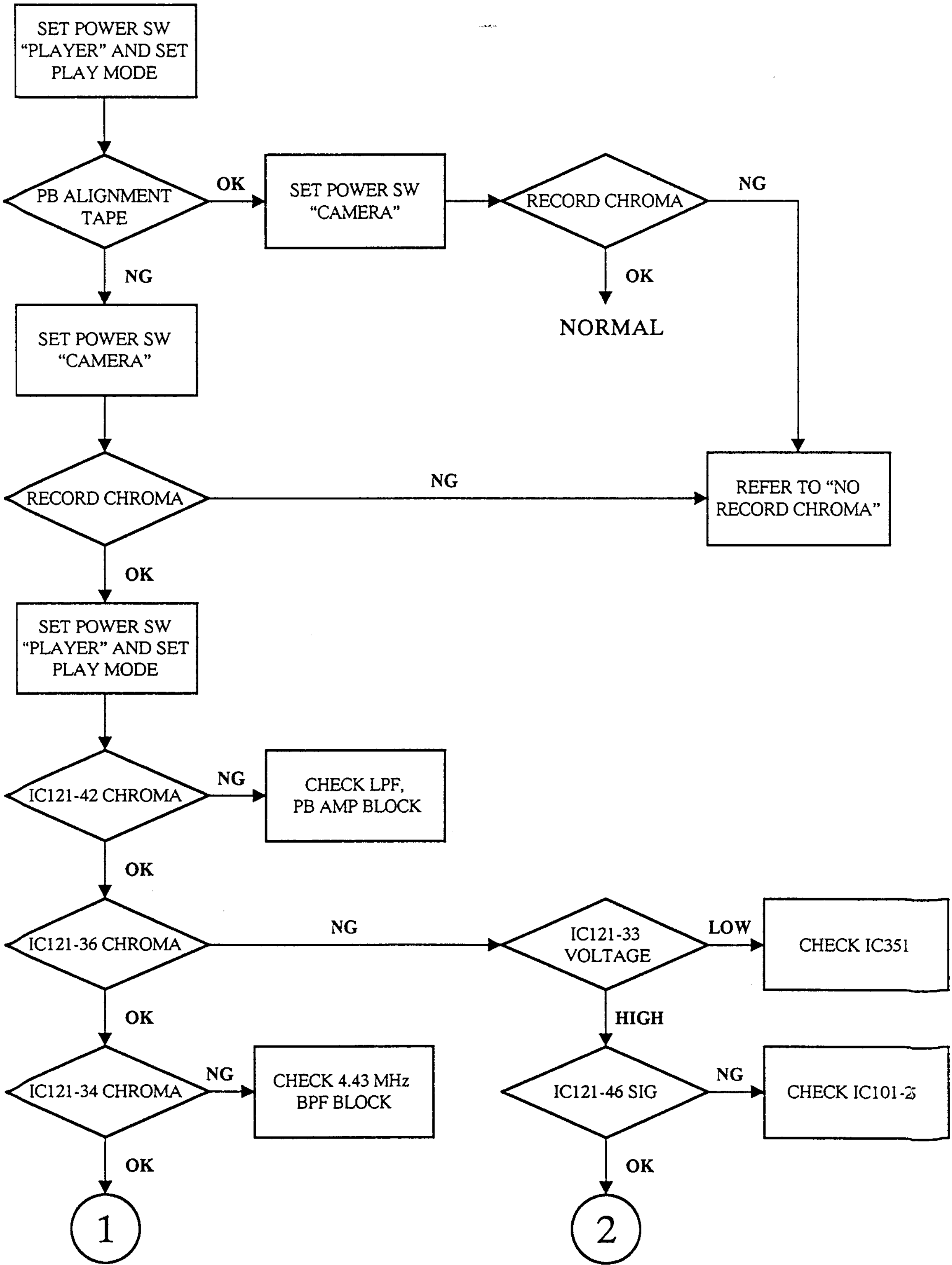
NO RECORD CHROMA (Continued)


1
IC191-2 CHROMA
NG
CHECK CHROMA LPF
OK
TP191 CHROMA
NG
IC191-7, 17, 18 VOLTAGE
LOW
CHECK STBY 5V
HIGH
OK
IC191-25, 36 SIG
NG
CHECK REC DAMPING BLOCK
IC191-1 VOLTAGE
LOW
CHECK IC351
HIGH
IC191-45, 47 SIG
NG
OK
OK
NORMAL
J1003-5, 9 SIG
NG
CHECK IC191
OK
CHECK DRUM BLOCK

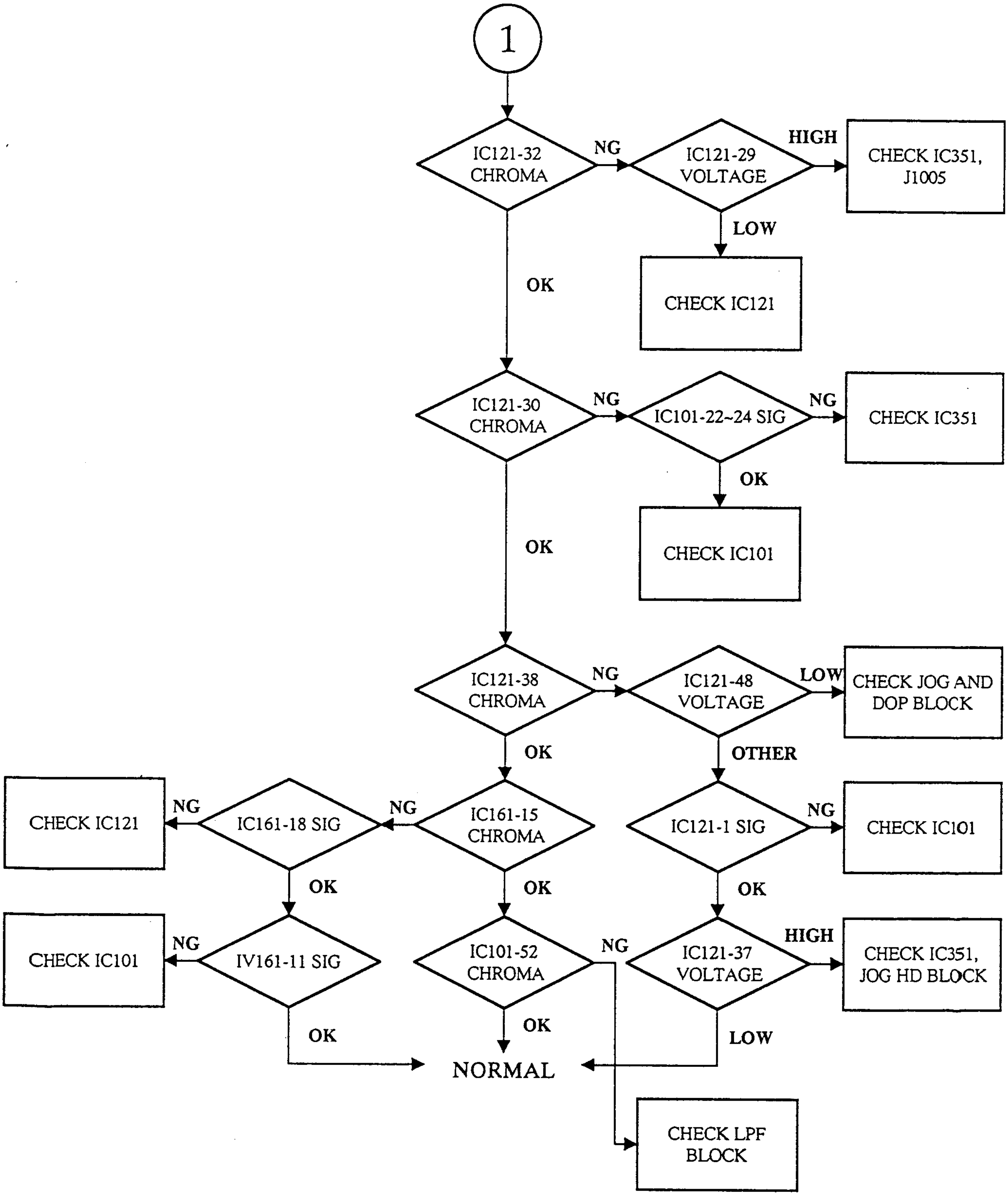
NO RECORD CHROMA (Continued)


2
IC121-37 VOLTAGE
HIGH
CHECK IC351 JOG HD BLOCK
LOW
IC121-46 SIG
NG
CHECK IC101-25
OK
IC121-8 SIG
NG
IC121-10 SIG
NG
CHECK IC121
OK
CHECK X1202
OK
IC121-4 SIG
NG
IC121-2 SIG
NG
CHECK IC121
OK
NORMAL
OK
CHECK X1201

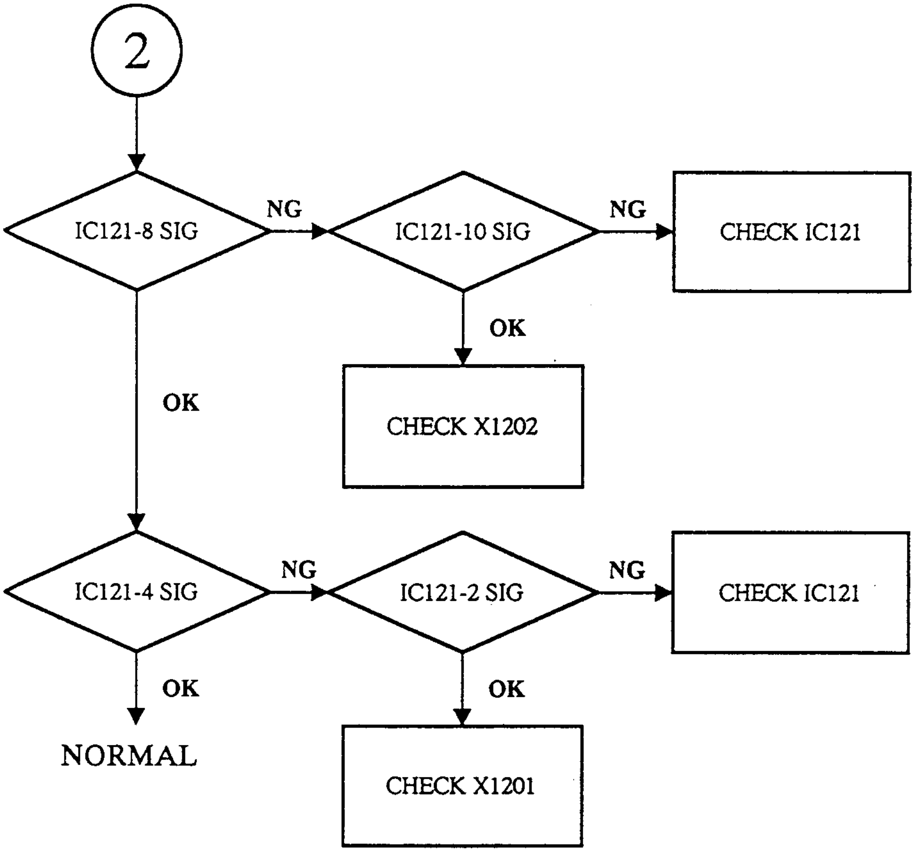
NO PLAY CHROMA


SET POWER SW "PLAYER" AND SET PLAY MODE
PB ALIGNMENT TAPE
OK
SET POWER SW "CAMERA"
RECORD CHROMA
NG
OK
NORMAL
NG
SET POWER SW "CAMERA"
RECORD CHROMA
NG
REFER TO "NO RECORD CHROMA"
OK
SET POWER SW "PLAYER" AND SET PLAY MODE
IC121-42 CHROMA
NG
CHECK LPF, PB AMP BLOCK
OK
IC121-36 CHROMA
NG
IC121-33 VOLTAGE
LOW
CHECK IC351
OK
HIGH
IC121-34 CHROMA
NG
CHECK 4.43 MHz BPF BLOCK
IC121-46 SIG
NG
CHECK IC101-25
OK
OK
1
2

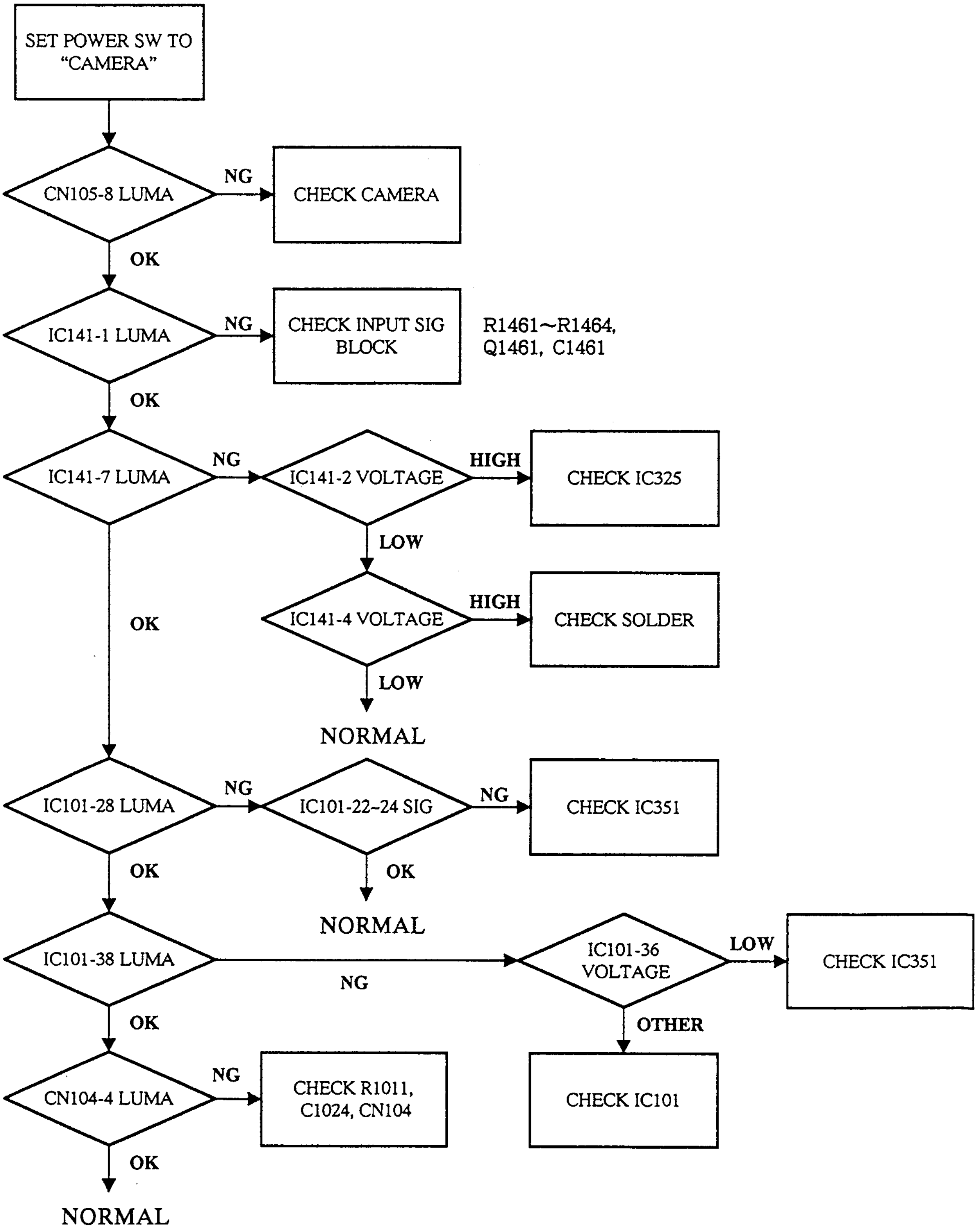
NO PLAY CHROMA (Continued)


1
IC121-32 CHROMA
NG
IC121-29 VOLTAGE
HIGH
CHECK IC351, J1005
LOW
CHECK IC121
OK
IC121-30 CHROMA
NG
IC101-22~24 SIG
NG
CHECK IC351
OK
CHECK IC101
OK
IC121-38 CHROMA
NG
IC121-48 VOLTAGE
LOW
CHECK JOG AND DOP BLOCK
OTHER
OK
CHECK IC121
NG
IC161-18 SIG
NG
IC161-15 CHROMA
IC121-1 SIG
NG
CHECK IC101
OK
OK
OK
CHECK IC101
NG
IV161-11 SIG
IC101-52 CHROMA
NG
IC121-37 VOLTAGE
HIGH
CHECK IC351, JOG HD BLOCK
OK
OK
LOW
NORMAL
CHECK LPF BLOCK

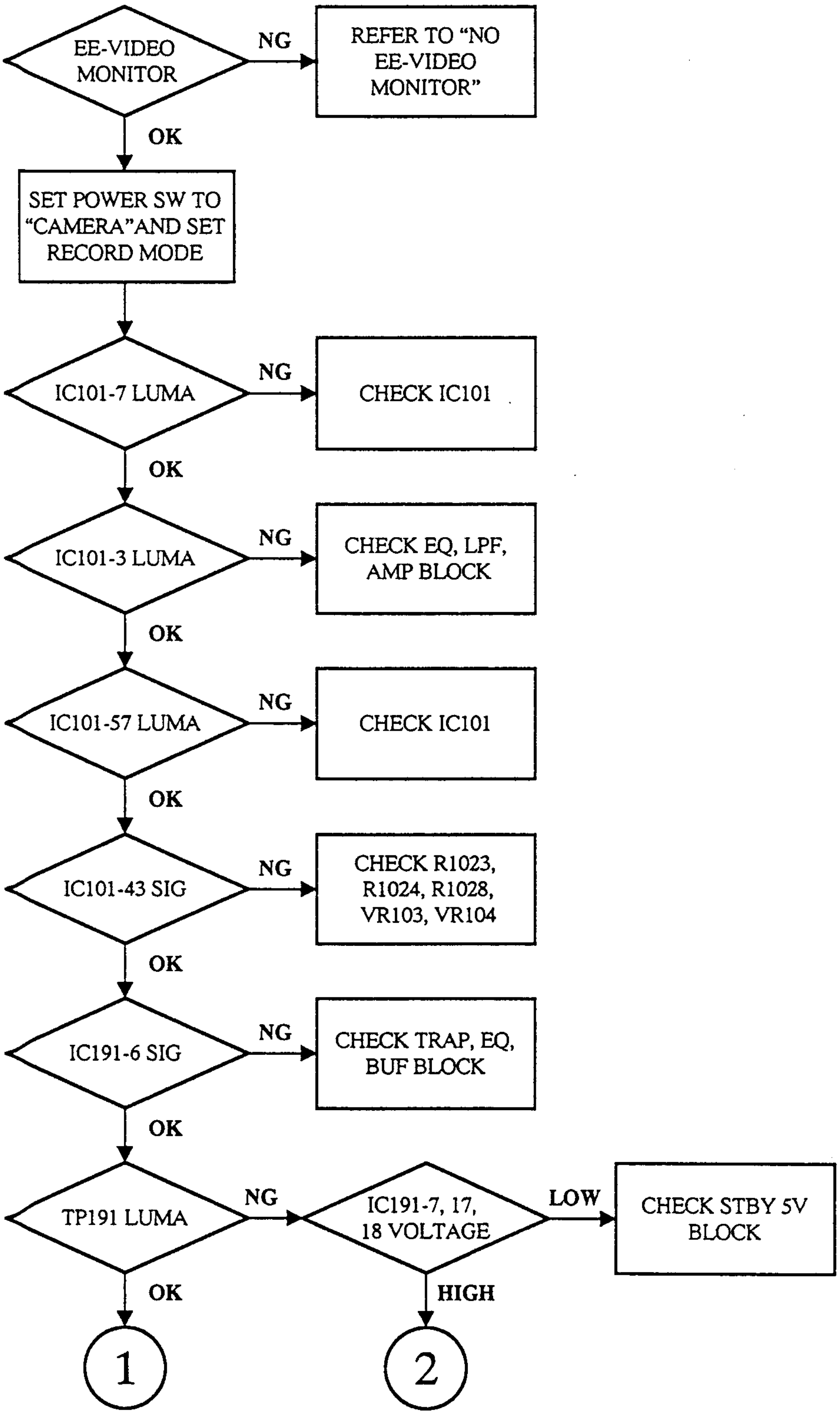
NO PLAY CHROMA (Continued)


2
IC121-8 SIG
NG
IC121-10 SIG
NG
CHECK IC121
OK
CHECK X1202
OK
IC121-4 SIG
NG
IC121-2 SIG
NG
CHECK IC121
OK
NORMAL
OK
CHECK X1201

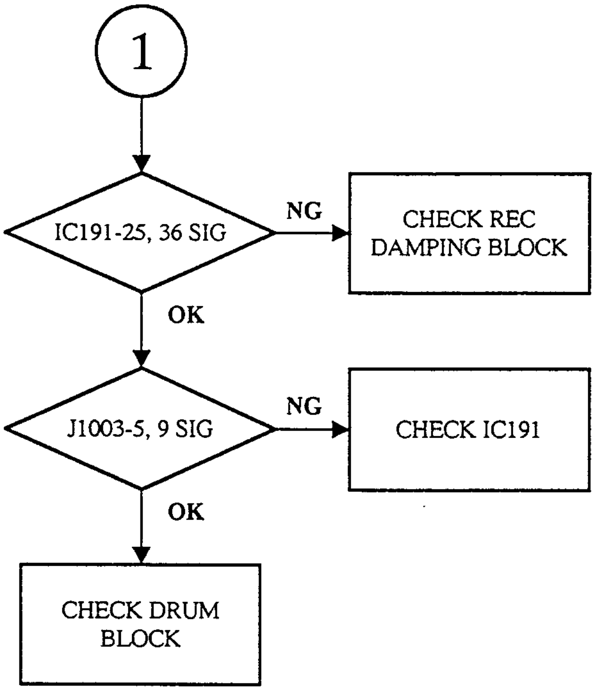
NO EE-VIDEO MONITOR

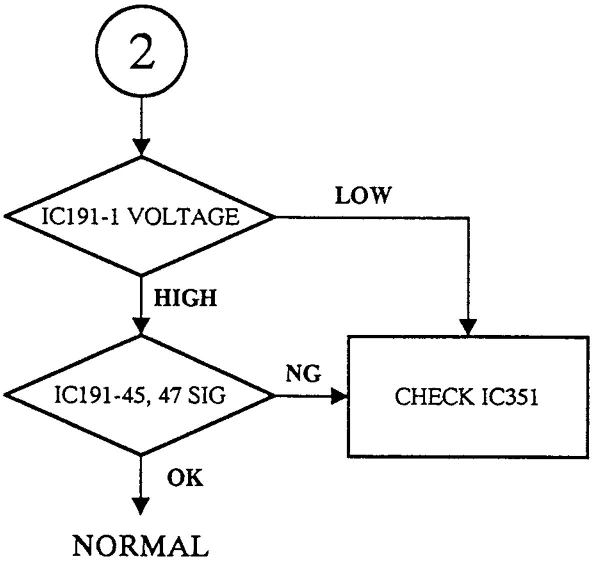

SET POWER SW TO "CAMERA"
CN105-8 LUMA
NG
CHECK CAMERA
OK
IC141-1 LUMA
NG
CHECK INPUT SIG BLOCK
R1461~R1464, Q1461, C1461
OK
IC141-7 LUMA
NG
IC141-2 VOLTAGE
HIGH
CHECK IC325
LOW
IC141-4 VOLTAGE
HIGH
CHECK SOLDER
LOW
NORMAL
OK
IC101-28 LUMA
NG
IC101-22~24 SIG
NG
CHECK IC351
OK
NORMAL
OK
IC101-38 LUMA
NG
IC101-36 VOLTAGE
LOW
CHECK IC351
OTHER
CHECK IC101
OK
CN104-4 LUMA
NG
CHECK R1011, C1024, CN104
OK
NORMAL

NO RECORD VIDEO

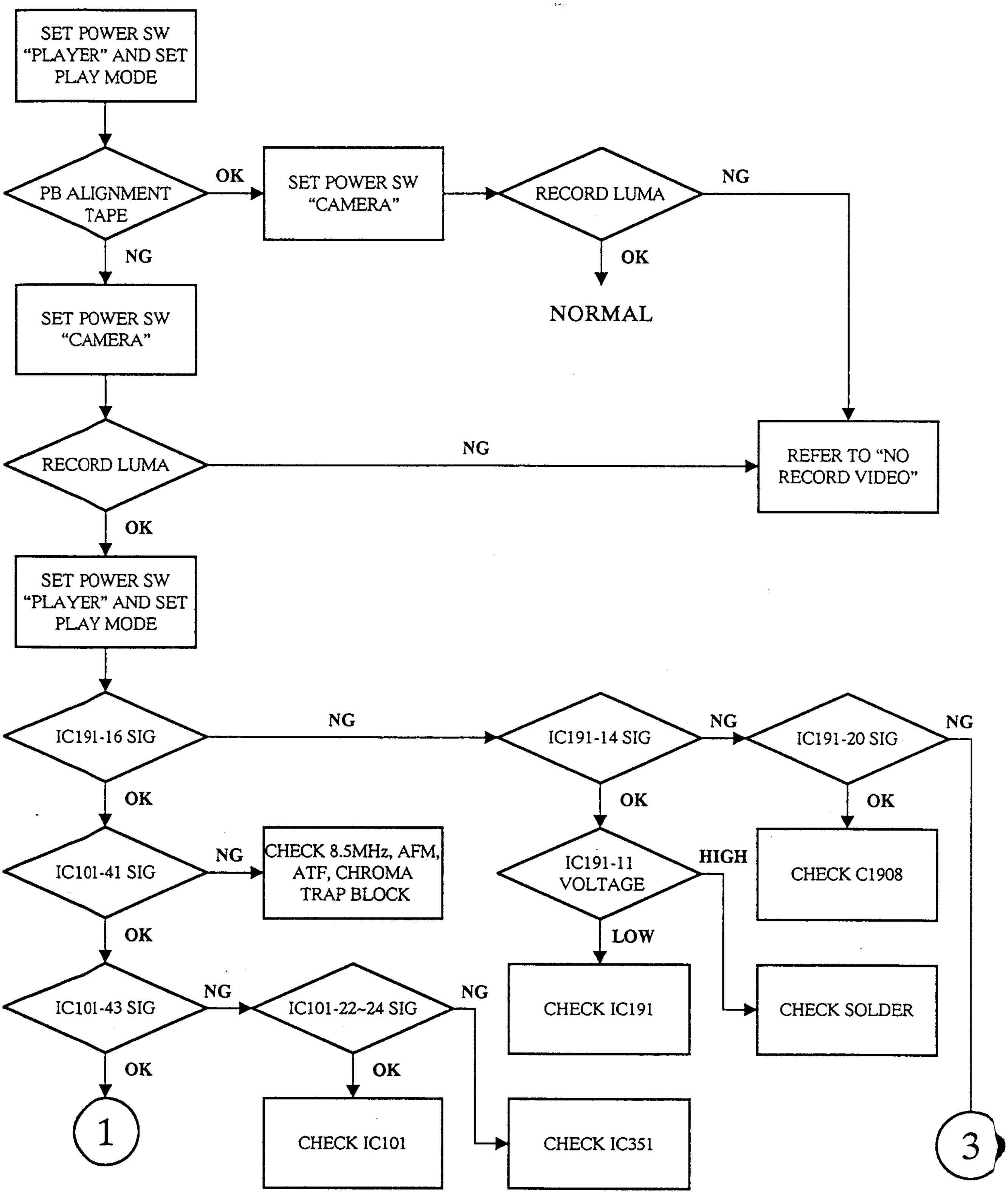

EE-VIDEO MONITOR
NG
REFER TO "NO EE-VIDEO MONITOR"
OK
SET POWER SW TO "CAMERA"AND SET RECORD MODE
IC101-7 LUMA
NG
CHECK IC101
OK
IC101-3 LUMA
NG
CHECK EQ, LPF, AMP BLOCK
OK
IC101-57 LUMA
NG
CHECK IC101
OK
IC101-43 SIG
NG
CHECK R1023, R1024, R1028, VR103, VR104
OK
IC191-6 SIG
NG
CHECK TRAP, EQ, BUF BLOCK
OK
TP191 LUMA
NG
IC191-7, 17, 18 VOLTAGE
LOW
CHECK STBY 5V BLOCK
OK
HIGH
1
2

NO RECORD VIDEO (Continued)

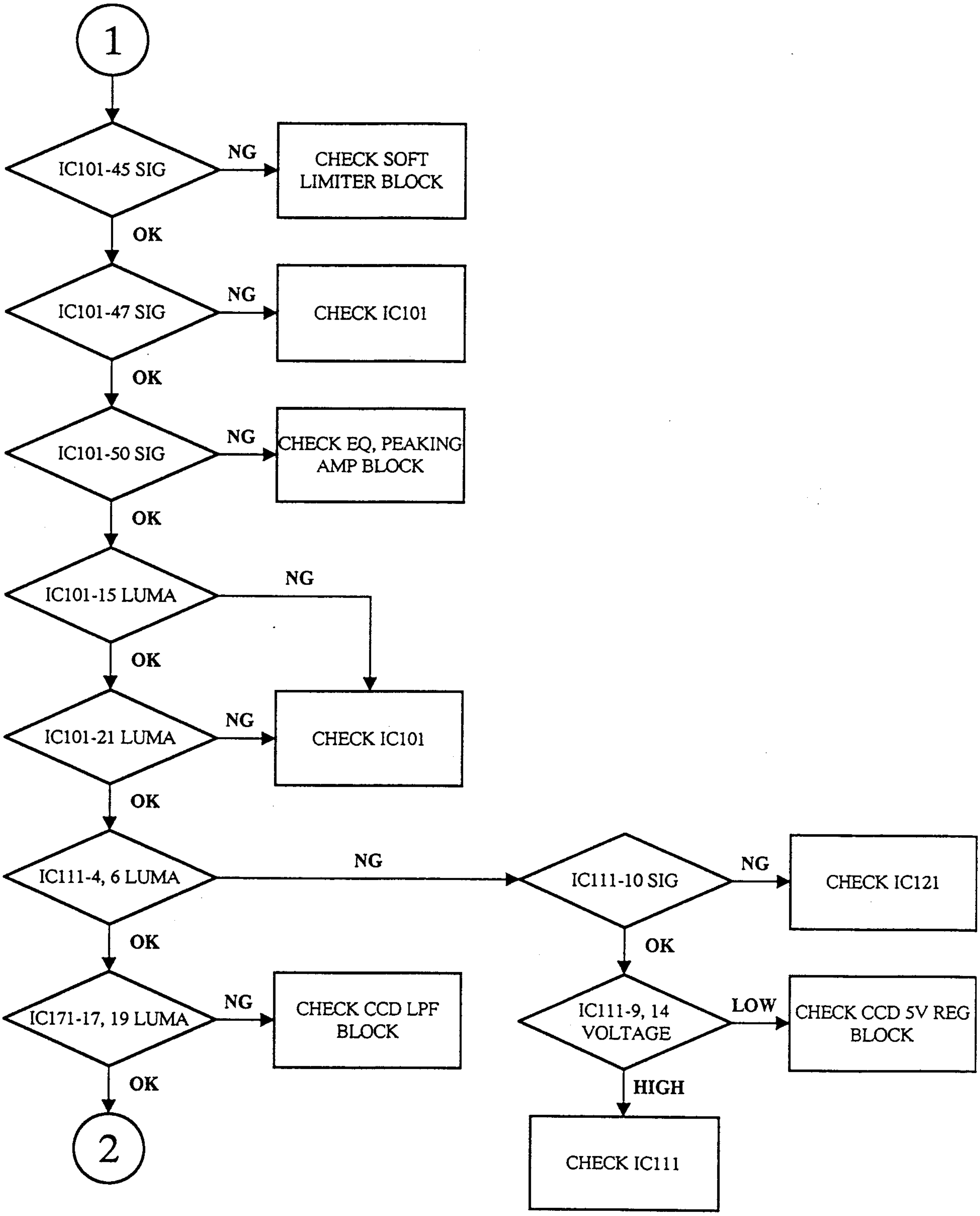

1
IC191-25, 36 SIG
NG
CHECK REC DAMPING BLOCK
OK
J1003-5, 9 SIG
NG
CHECK IC191
OK
CHECK DRUM BLOCK


2
IC191-1 VOLTAGE
LOW
HIGH
IC191-45, 47 SIG
NG
CHECK IC351
OK
NORMAL

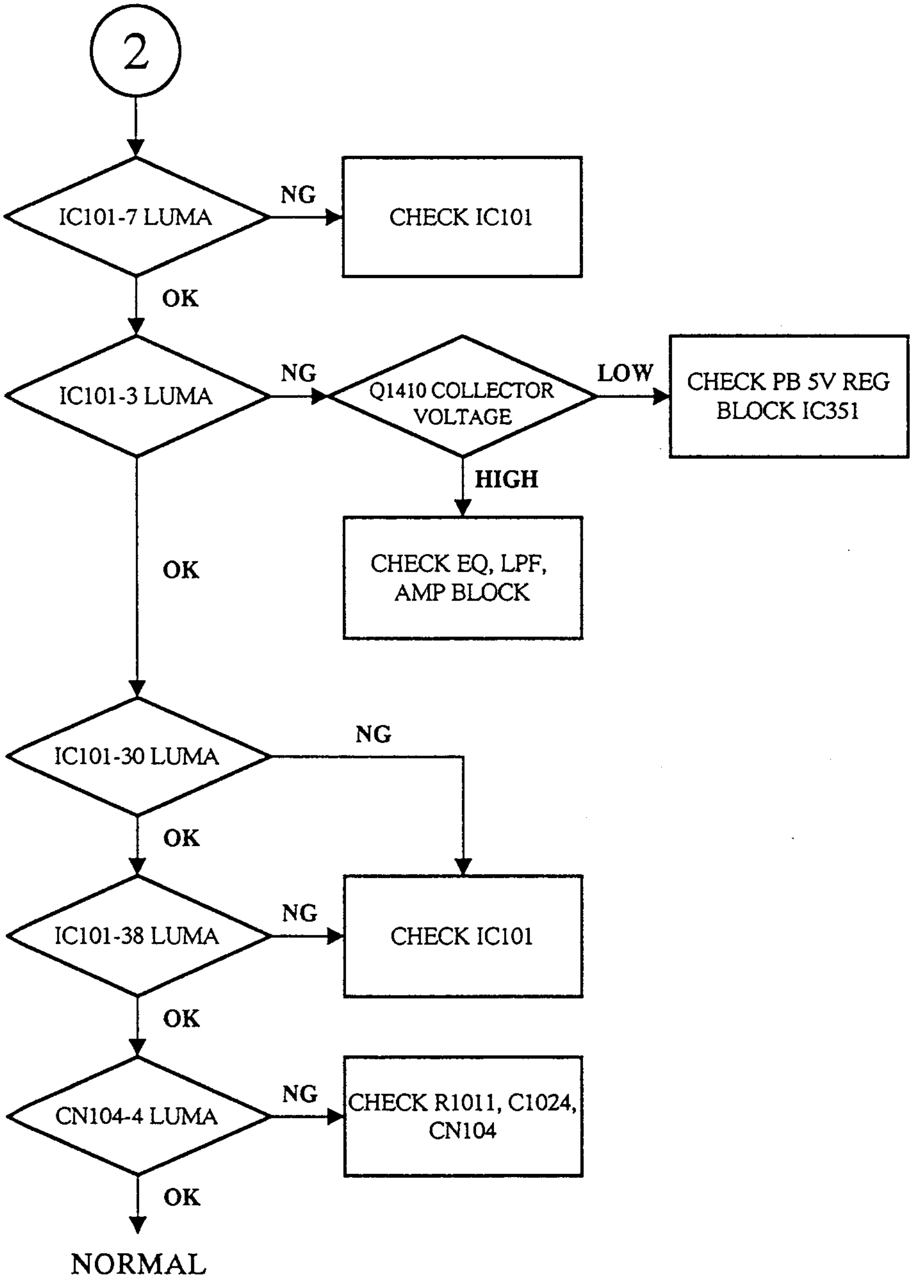
NO PLAY VIDEO


SET POWER SW "PLAYER" AND SET PLAY MODE
PB ALIGNMENT TAPE
OK
SET POWER SW "CAMERA"
RECORD LUMA
NG
OK
NORMAL
NG
SET POWER SW "CAMERA"
RECORD LUMA
NG
REFER TO "NO RECORD VIDEO"
OK
SET POWER SW "PLAYER" AND SET PLAY MODE
IC191-16 SIG
NG
IC191-14 SIG
NG
IC191-20 SIG
NG
OK
OK
OK
IC101-41 SIG
NG
CHECK 8.5MHz, AFM, ATF, CHROMA TRAP BLOCK
IC191-11 VOLTAGE
HIGH
CHECK C1908
OK
LOW
IC101-43 SIG
NG
IC101-22~24 SIG
NG
CHECK IC191
CHECK SOLDER
OK
OK
1
CHECK IC101
CHECK IC351
3

NO PLAY VIDEO (Continued)

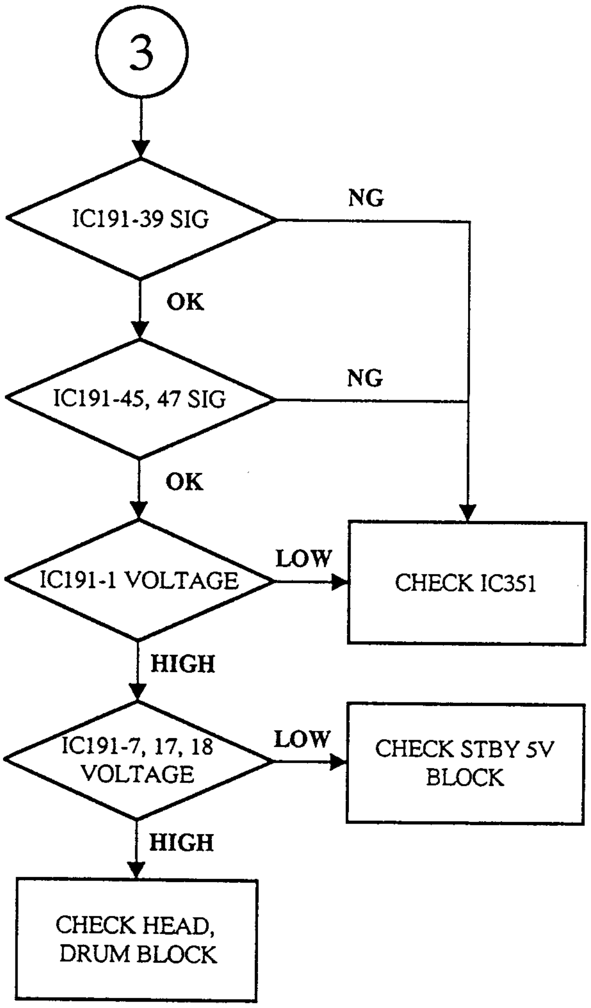

1
IC101-45 SIG
NG
CHECK SOFT LIMITER BLOCK
OK
IC101-47 SIG
NG
CHECK IC101
OK
IC101-50 SIG
NG
CHECK EQ, PEAKING AMP BLOCK
OK
IC101-15 LUMA
NG
OK
IC101-21 LUMA
NG
CHECK IC101
OK
IC111-4, 6 LUMA
NG
IC111-10 SIG
NG
CHECK IC121
OK
IC111-9, 14 VOLTAGE
LOW
CHECK CCD 5V REG BLOCK
HIGH
CHECK IC111
OK
IC171-17, 19 LUMA
NG
CHECK CCD LPF BLOCK
OK
2

NO PLAY VIDEO (Continued)

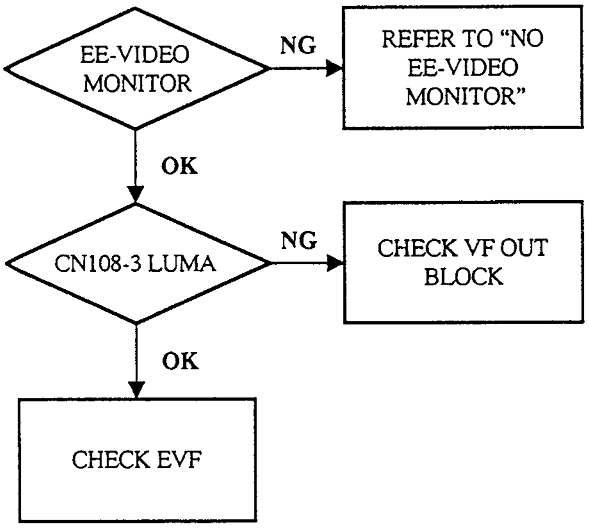


2
IC101-7 LUMA
NG
CHECK IC101
OK
IC101-3 LUMA
NG
Q1410 COLLECTOR VOLTAGE
LOW
CHECK PB 5V REG BLOCK IC351
HIGH
CHECK EQ, LPF, AMP BLOCK
OK
IC101-30 LUMA
NG
OK
IC101-38 LUMA
NG
CHECK IC101
OK
CN104-4 LUMA
NG
CHECK R1011, C1024, CN104
OK
NORMAL

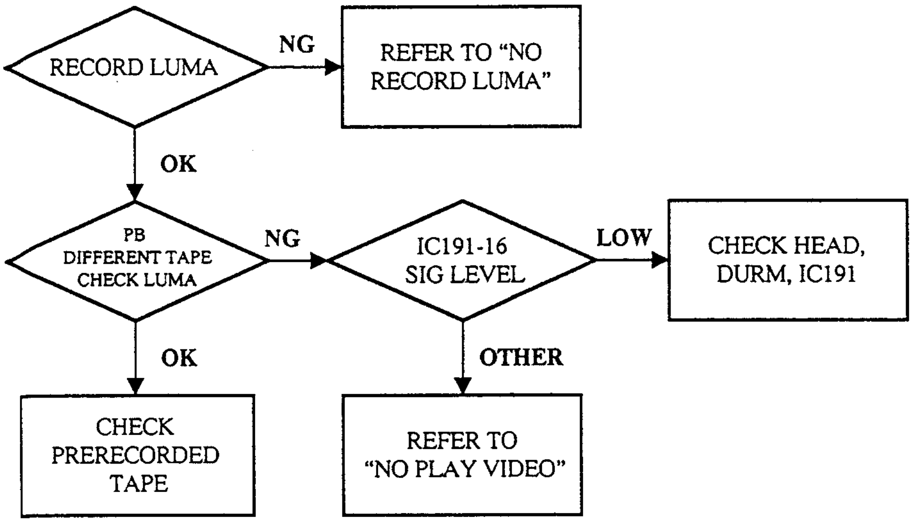
NO PLAY VIDEO (Continued)


3
IC191-39 SIG
NG
OK
IC191-45, 47 SIG
NG
OK
IC191-1 VOLTAGE
LOW
CHECK IC351
HIGH
IC191-7, 17, 18 VOLTAGE
LOW
CHECK STBY 5V BLOCK
HIGH
CHECK HEAD, DRUM BLOCK

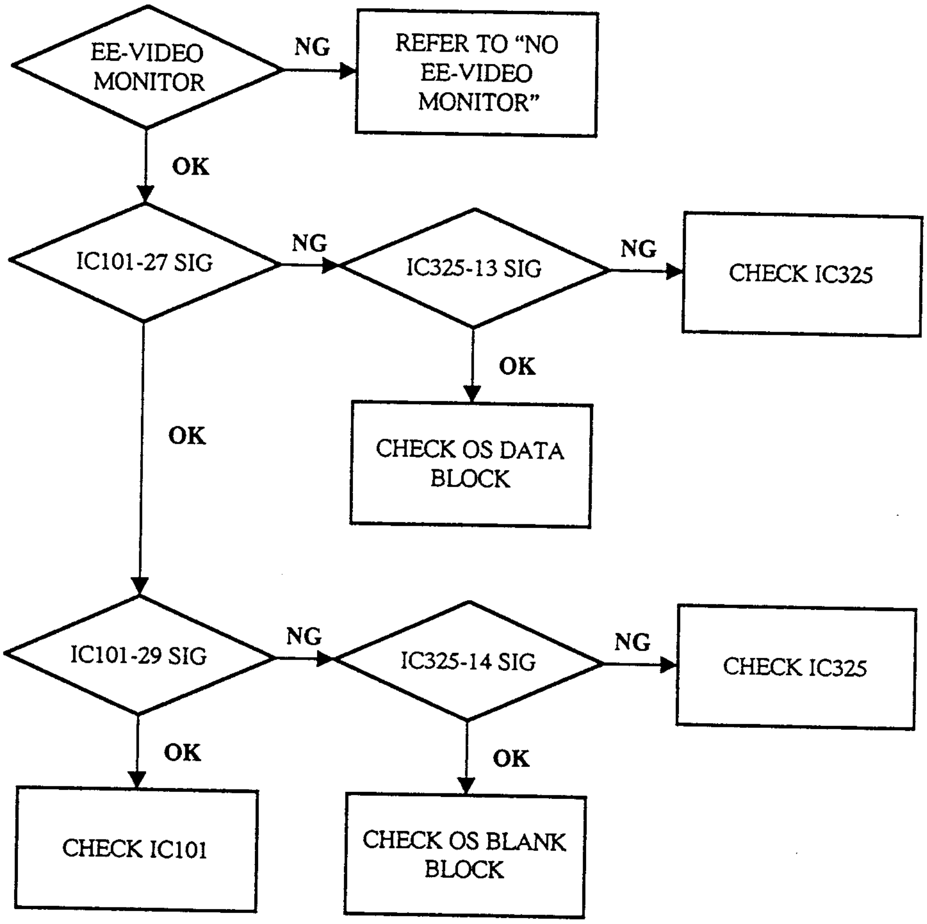
NO PICTURE IN EVF


EE-VIDEO MONITOR
NG
REFER TO "NO EE-VIDEO MONITOR"
OK
CN108-3 LUMA
NG
CHECK VF OUT BLOCK
OK
CHECK EVF

NOISY PICTURE ONLY WHEN PRERECORDED (ALIGNMENT) TAPE IS PLAYED BACK

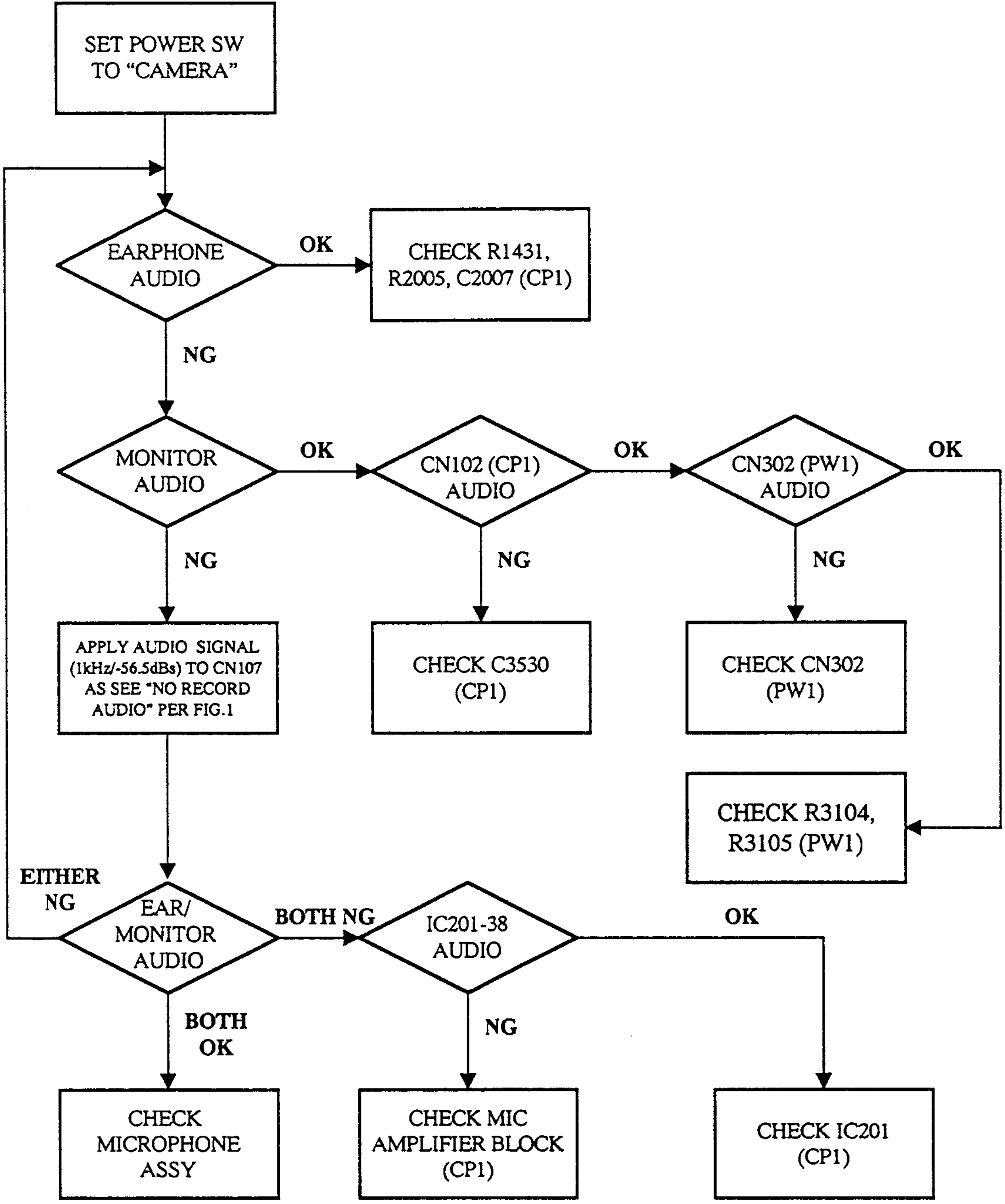

RECORD LUMA
NG
REFER TO "NO RECORD LUMA"
OK
PB DIFFERENT TAPE CHECK LUMA
NG
IC191-16 SIG LEVEL
LOW
CHECK HEAD, DURM, IC191
OK
CHECK PRERECORDED TAPE
OTHER
REFER TO "NO PLAY VIDEO"

ON-SCREEN DISPLAY INOPERATIVE


EE-VIDEO MONITOR
NG
REFER TO "NO EE-VIDEO MONITOR"
OK
IC101-27 SIG
NG
IC325-13 SIG
NG
CHECK IC325
OK
CHECK OS DATA BLOCK
OK
IC101-29 SIG
NG
IC325-14 SIG
NG
CHECK IC325
OK
CHECK IC101
OK
CHECK OS BLANK BLOCK

8-4. AUDIO CIRCUIT

NO EE - AUDIO


SET POWER SW TO "CAMERA"
EARPHONE AUDIO
OK
CHECK R1431, R2005, C2007 (CP1)
NG
MONITOR AUDIO
OK
CN102 (CP1) AUDIO
OK
CN302 (PW1) AUDIO
OK
NG
NG
NG
APPLY AUDIO SIGNAL (1kHz/-56.5dBs) TO CN107 AS SEE "NO RECORD AUDIO" PER FIG.1
CHECK C3530 (CP1)
CHECK CN302 (PW1)
CHECK R3104, R3105 (PW1)
EITHER NG
EAR/ MONITOR AUDIO
BOTH NG
IC201-38 AUDIO
OK
BOTH OK
NG
CHECK MICROPHONE ASSY
CHECK MIC AMPLIFIER BLOCK (CP1)
CHECK IC201 (CP1)

NO RECORD AUDIO

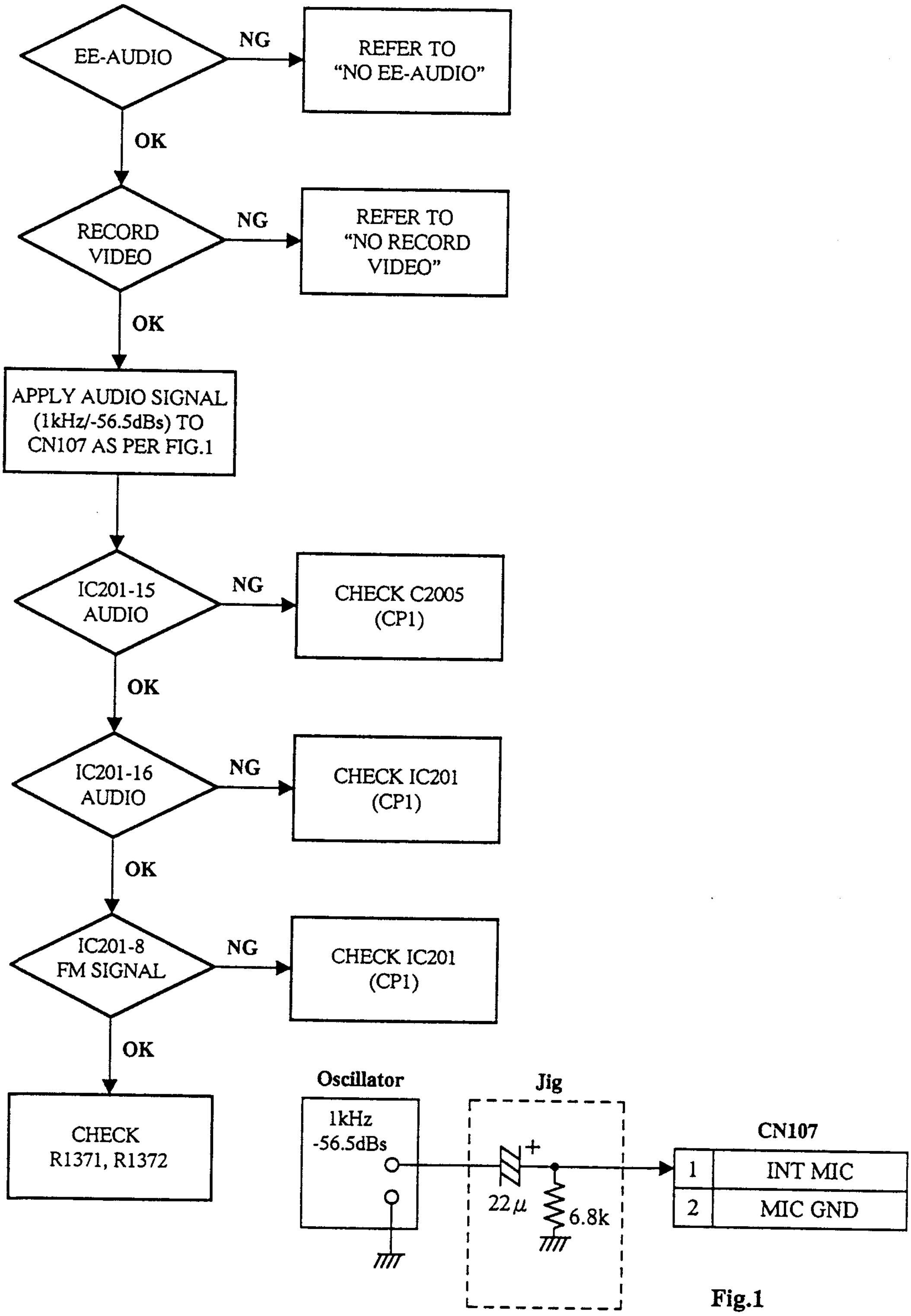
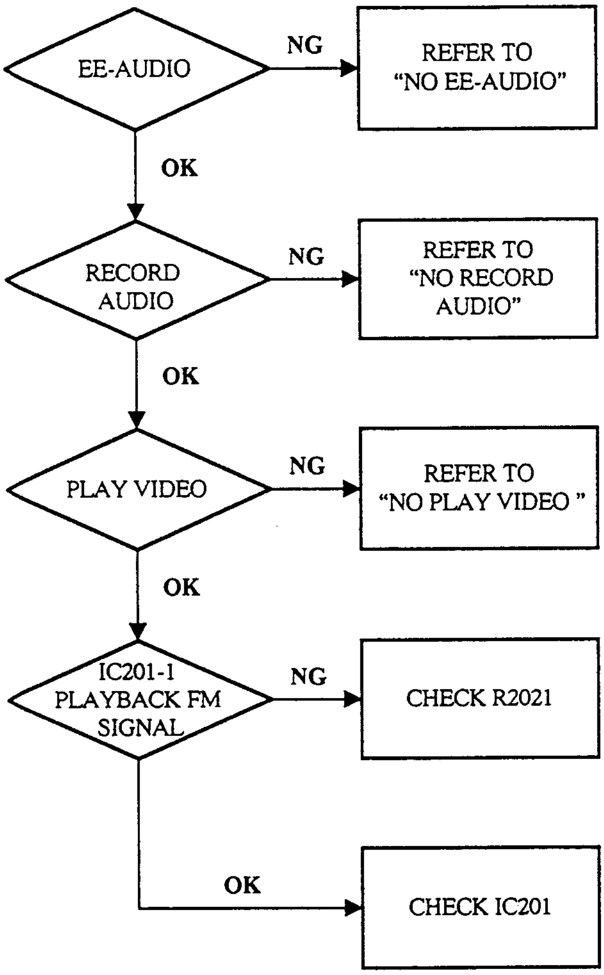
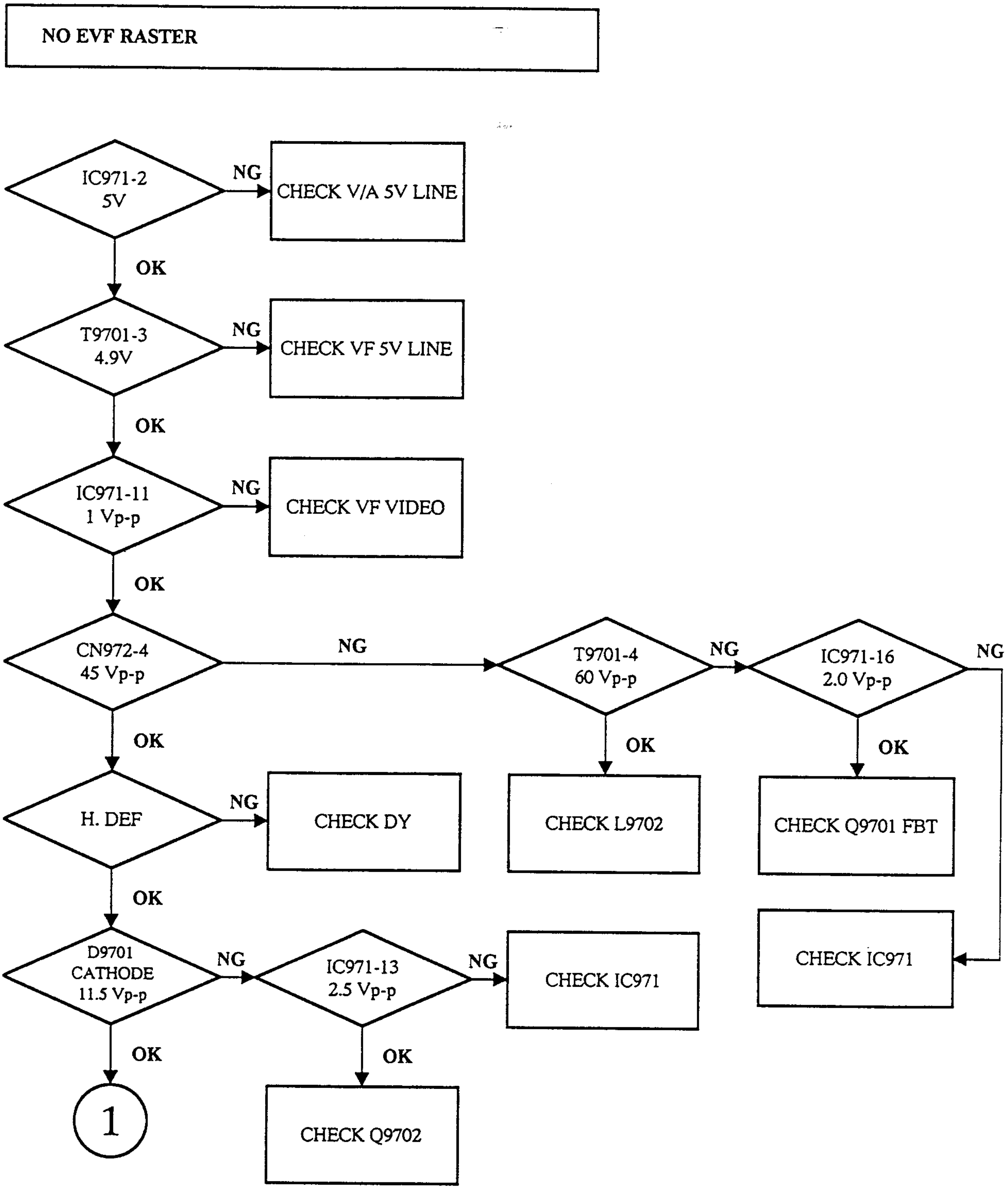

EE-AUDIO
NG
REFER TO "NO EE-AUDIO"
OK
RECORD VIDEO
NG
REFER TO "NO RECORD VIDEO"
OK
APPLY AUDIO SIGNAL (1kHz/-56.5dBs) TO CN107 AS PER FIG.1
IC201-15 AUDIO
NG
CHECK C2005 (CP1)
OK
IC201-16 AUDIO
NG
CHECK IC201 (CP1)
OK
IC201-8 FM SIGNAL
NG
CHECK IC201 (CP1)
OK
CHECK R1371, R1372
Oscillator
1kHz
-56.5dBs
Jig
+
22μ
6.8k
CN107
1
INT MIC
2
MIC GND

Fig.1

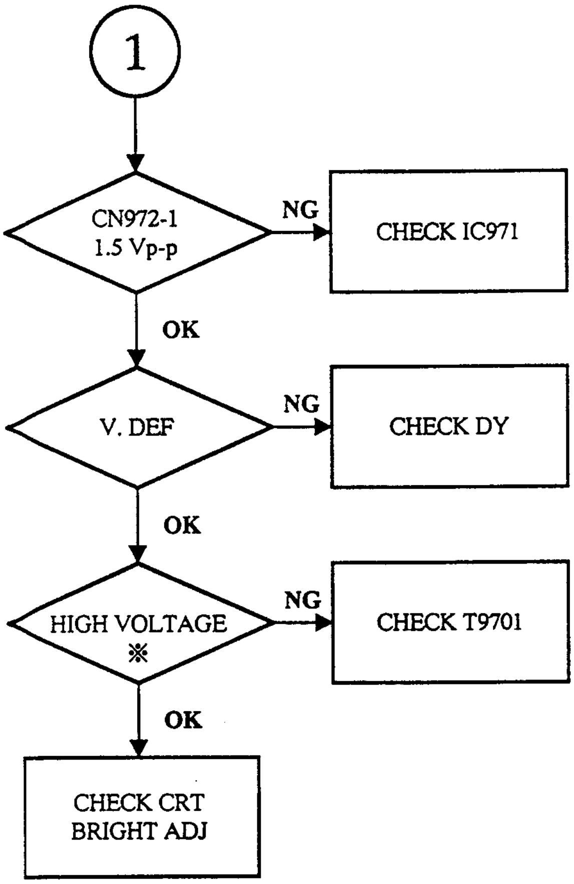
NO PLAY AUDIO


EE-AUDIO
NG
REFER TO "NO EE-AUDIO"
OK
RECORD AUDIO
NG
REFER TO "NO RECORD AUDIO"
OK
PLAY VIDEO
NG
REFER TO "NO PLAY VIDEO "
OK
IC201-1 PLAYBACK FM SIGNAL
NG
CHECK R2021
OK
CHECK IC201

8-5. VIEWFINDER CIRCUIT

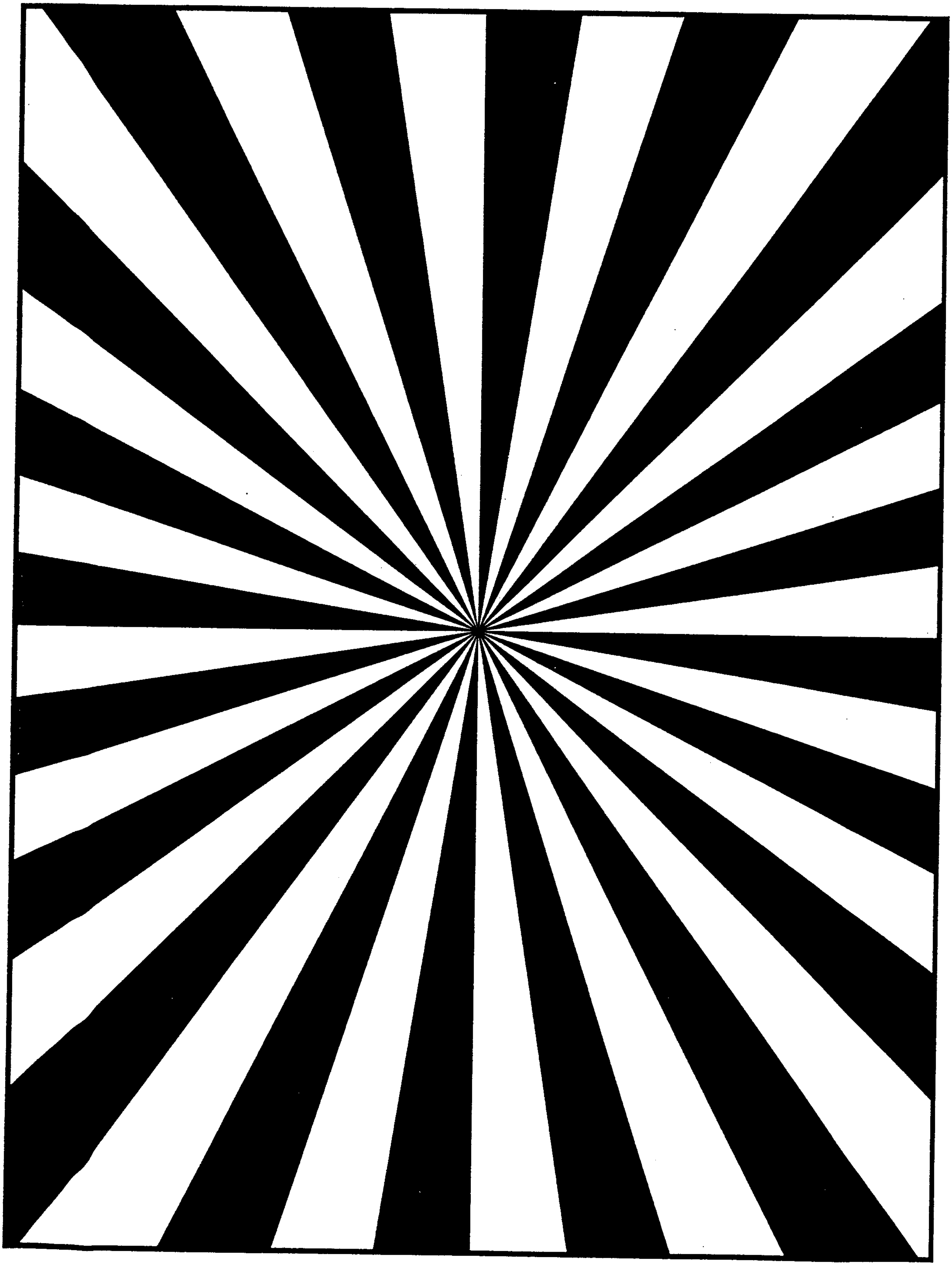

NO EVF RASTER
IC971-2
5V
NG
CHECK V/A 5V LINE
OK
T9701-3
4.9V
NG
CHECK VF 5V LINE
OK
IC971-11
1 Vp-p
NG
CHECK VF VIDEO
OK
CN972-4
45 Vp-p
NG
T9701-4
60 Vp-p
NG
IC971-16
2.0 Vp-p
NG
OK
OK
OK
H. DEF
NG
CHECK DY
CHECK L9702
CHECK Q9701 FBT
OK
CHECK IC971
D9701
CATHODE
11.5 Vp-p
NG
IC971-13
2.5 Vp-p
NG
CHECK IC971
OK
OK
1
CHECK Q9702

NO EVF RASTER (Continued)


1
CN972-1
1.5 Vp-p
NG
CHECK IC971
OK
V. DEF
NG
CHECK DY
OK
HIGH VOLTAGE
※
NG
CHECK T9701
OK
CHECK CRT
BRIGHT ADJ

※ T9701	HV	2.2 kV
G2		300 V
G3		400 V

SIEMENS STAR CHART



SCHEMATIC DIAGRAM
&
PRINTED WIRING BOARD

VM-RZ1P (SANYO)
VM-D9P (SANYO)
FVC-P10 (FISHER)

CONTENTS

OVERALL WIRING Ⓐ

CA1 (CAMERA) CIRCUIT Ⓑ

TC1 (CAMERA FEATURE) CIRCUIT Ⓒ

CP1 (SERVO/SYSTEM CONTROL/POWER) CIRCUIT Ⓓ

CP1 (VIDEO) CIRCUIT Ⓔ

CP1 (AUDIO)/VF1 (VIEWFINDER) CIRCUIT Ⓕ

CA1/TC1 BOARD (SIDE A) • PW1 BOARD (SIDE A) Ⓖ

CA1/TC1 BOARD (SIDE B) • PW1 BOARD (SIDE B) Ⓗ

CP1 BOARD (SIDE A) • VF1 BOARD (SIDE A) Ⓘ

CP1 BOARD (SIDE B) • VF1 BOARD (SIDE B) Ⓙ

ER18P/G, SW, I, E, SP, ME, A, EDX, GF

- The voltage shown in red on the circuit diagram is obtained by measurement using a digital voltmeter.
- Note that parts shown with "CAN" below the location No. in the circuit diagram are not used.
- Safety precautions:

  Parts marked with ⚠ are important for ensuring safety. Therefore, never replace any of these parts with a part of a number other than the corresponding specified part No.
- When any part needs to be replaced, refer to the parts list.
- The resistance is expressed in Ω .
- The capacity is expressed in μF unless otherwise specified.

  However, "P" indicates pF. For the electrolytic capacitors, the withstanding voltage (V) is shown.
- The inductance is expressed in mH unless otherwise specified. However, " μ " indicates μH.
- Cautions related to pattern diagram

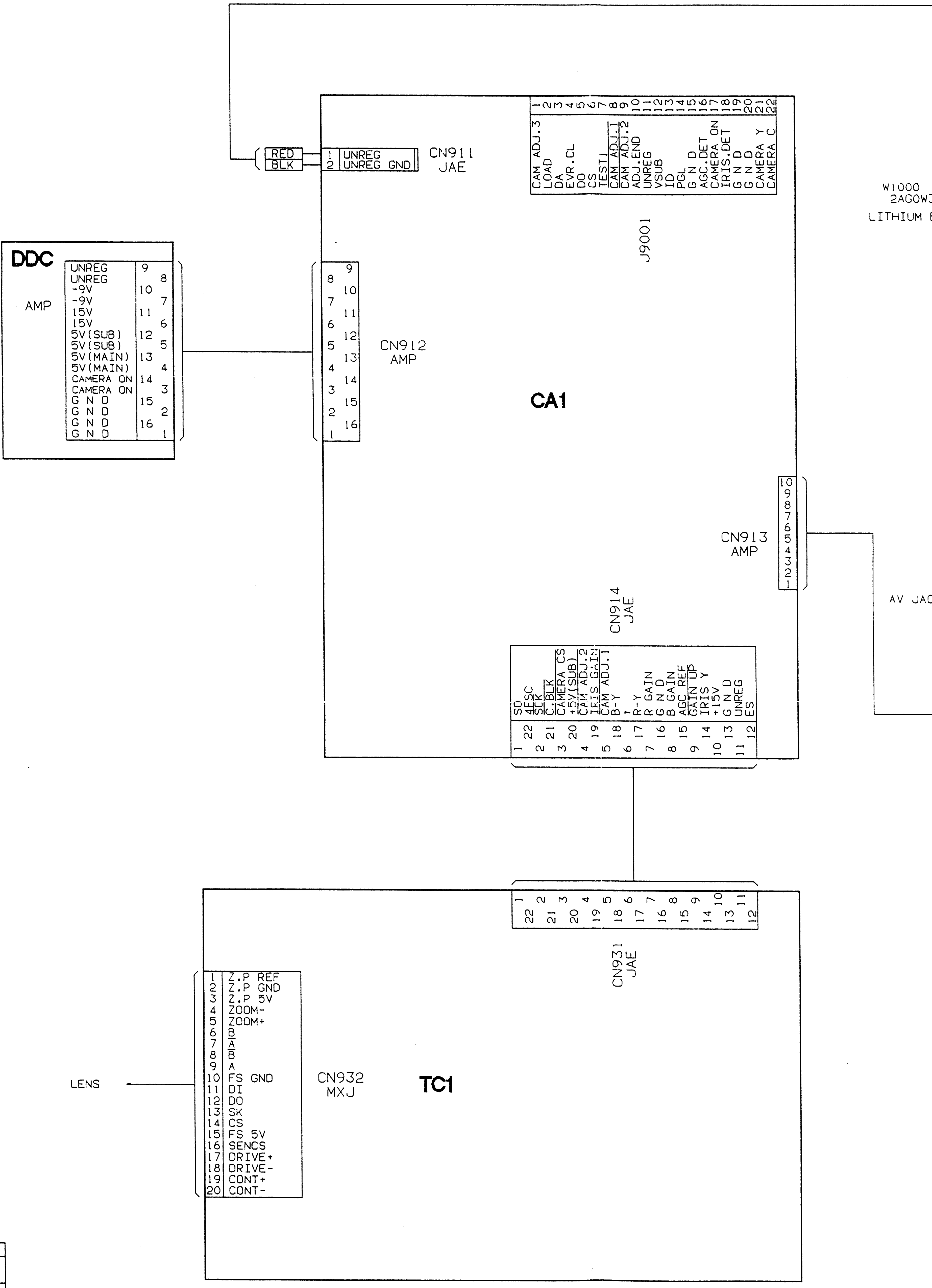
Side A: Shows the parts viewed from the pattern on the side A.
(The pattern on the side A is shown in red.)
Side B: Shows the parts viewed from the pattern on the side B.
(The pattern on the side B is shown in black.)

But inner two layer's patterns are not shown.

Note:

The circuit and pattern diagrams are prepared for the initial stage of mass production. Therefore, they may be subject to change for improvement.

OVERALL WIRING


RED
BLK
1 UNREG
2 UNREG GND
CN911
JAE
CAM ADJ.3
LOAD
DA
EVR.CL
DO
CS
TEST1
CAM ADJ.1
CAM ADJ.2
ADJ.END
UNREG
VSUB
ID
PGL
G N D
AGC.DET
CAMERA ON
IRIS.DET
G N D
G N D
CAMERA Y
CAMERA C
J9001
W1000
2AGOWJ
LITHIUM
DDC
AMP
UNREG
UNREG
-9V
-9V
15V
15V
5V(SUB)
5V(SUB)
5V(MAIN)
5V(MAIN)
CAMERA ON
CAMERA ON
G N D
G N D
G N D
G N D
CN912
AMP
CA1
CN913
AMP
AV JAC
CN914
JAE
SO
4FSC
SCK
C.BLK
CAMERA CS
+5V(SUB)
CAM ADJ.2
IRIS GAIN
CAM ADJ.1
B-Y
γ
R-Y
R GAIN
G N D
B GAIN
AGC REF
GAIN UP
IRIS Y
+15V
G N D
UNREG
ES
CN931
JAE
LENS
1 Z.P REF
2 Z.P GND
3 Z.P 5V
4 ZOOM-
5 ZOOM+
6 B
7 A
8 B
9 A
10 FS GND
11 DI
12 DO
13 SK
14 CS
15 FS 5V
16 SENCS
17 DRIVE+
18 DRIVE-
19 CONT+
20 CONT-
CN932
MXJ
TC1

APPROVALS

CHKD
04·04·10

CHKD
04·04·10

DESIGN

DRAWN

TRACE

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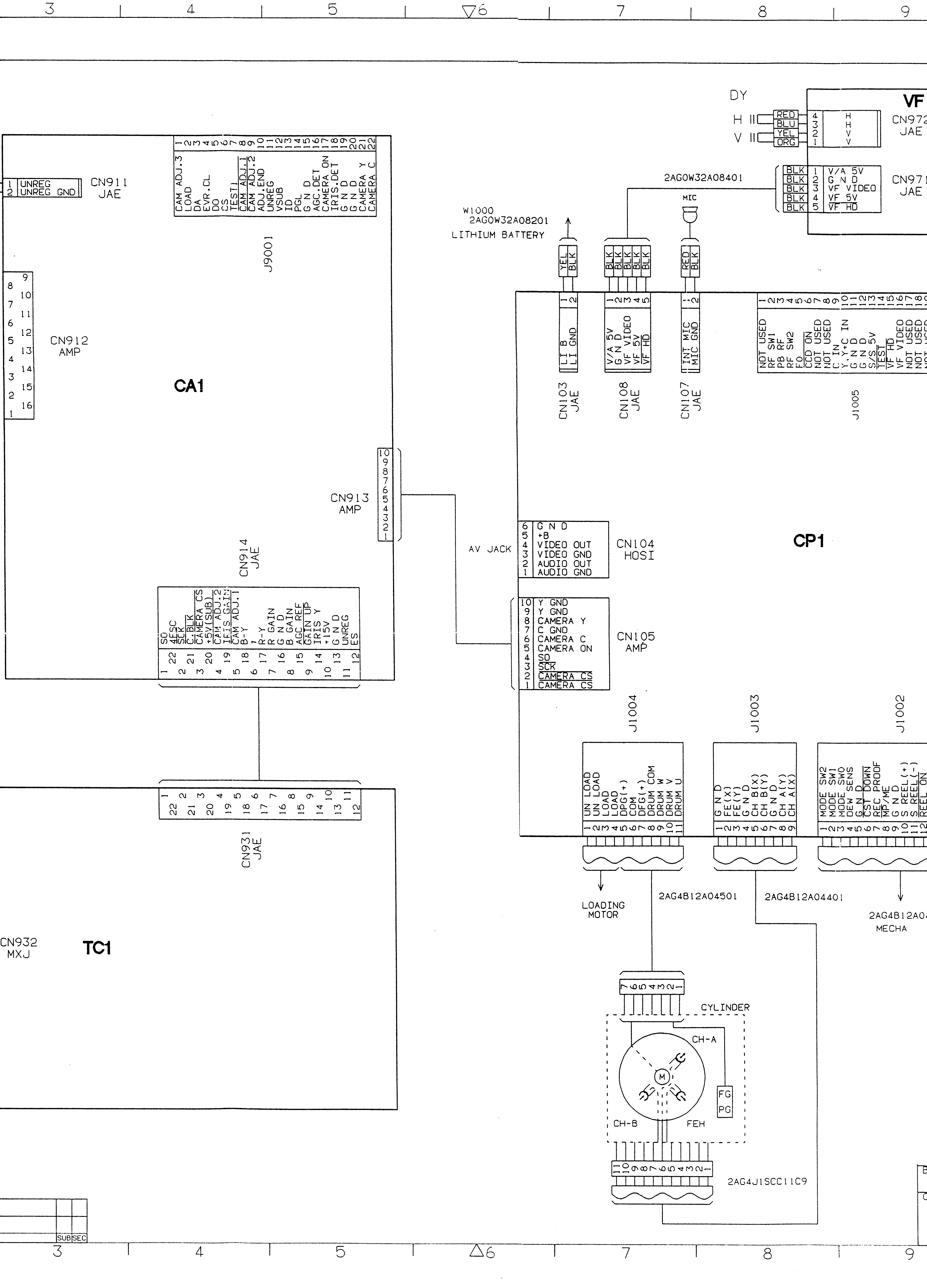
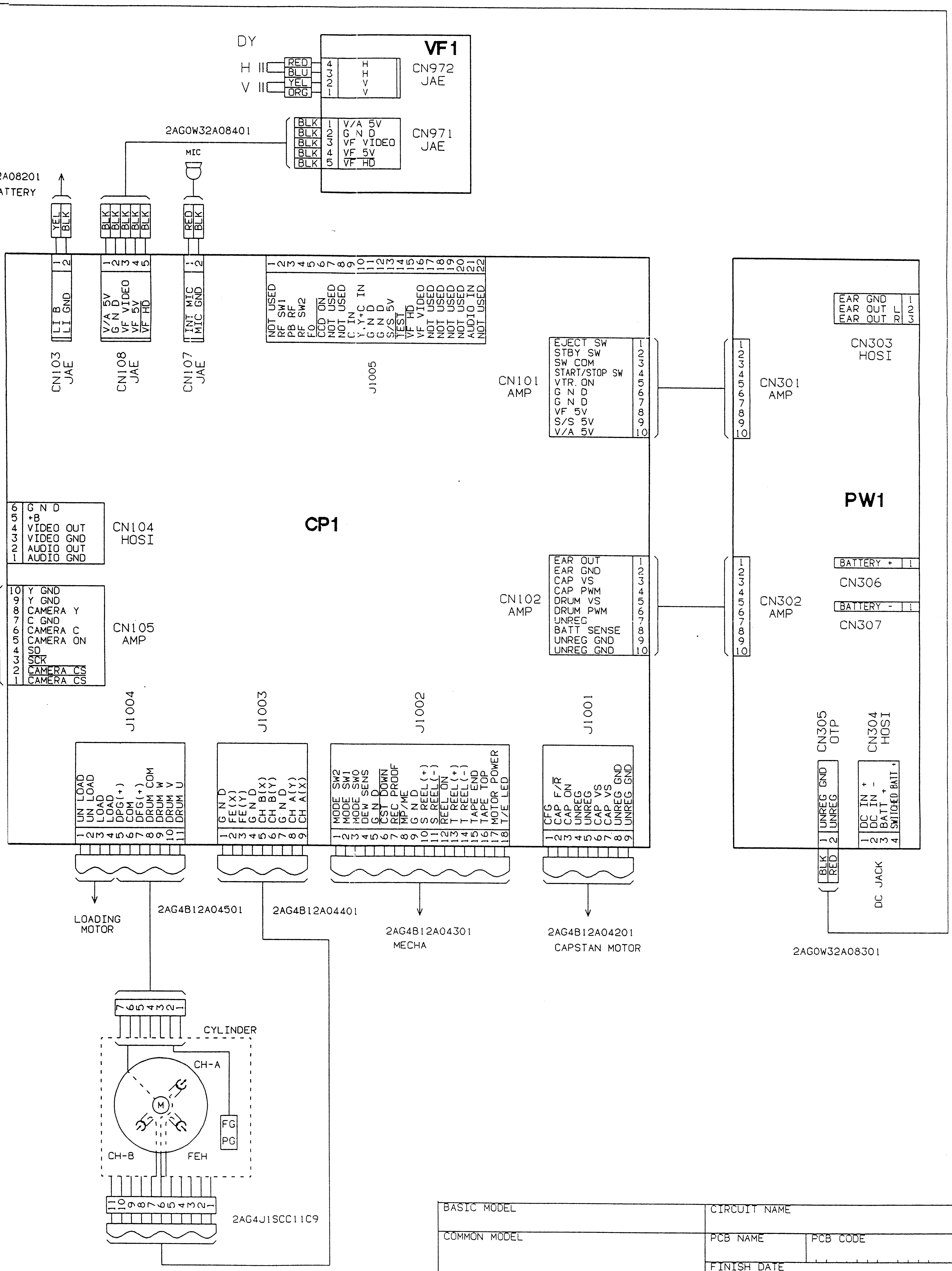
Ⓐ	04:02:25	SC1182			

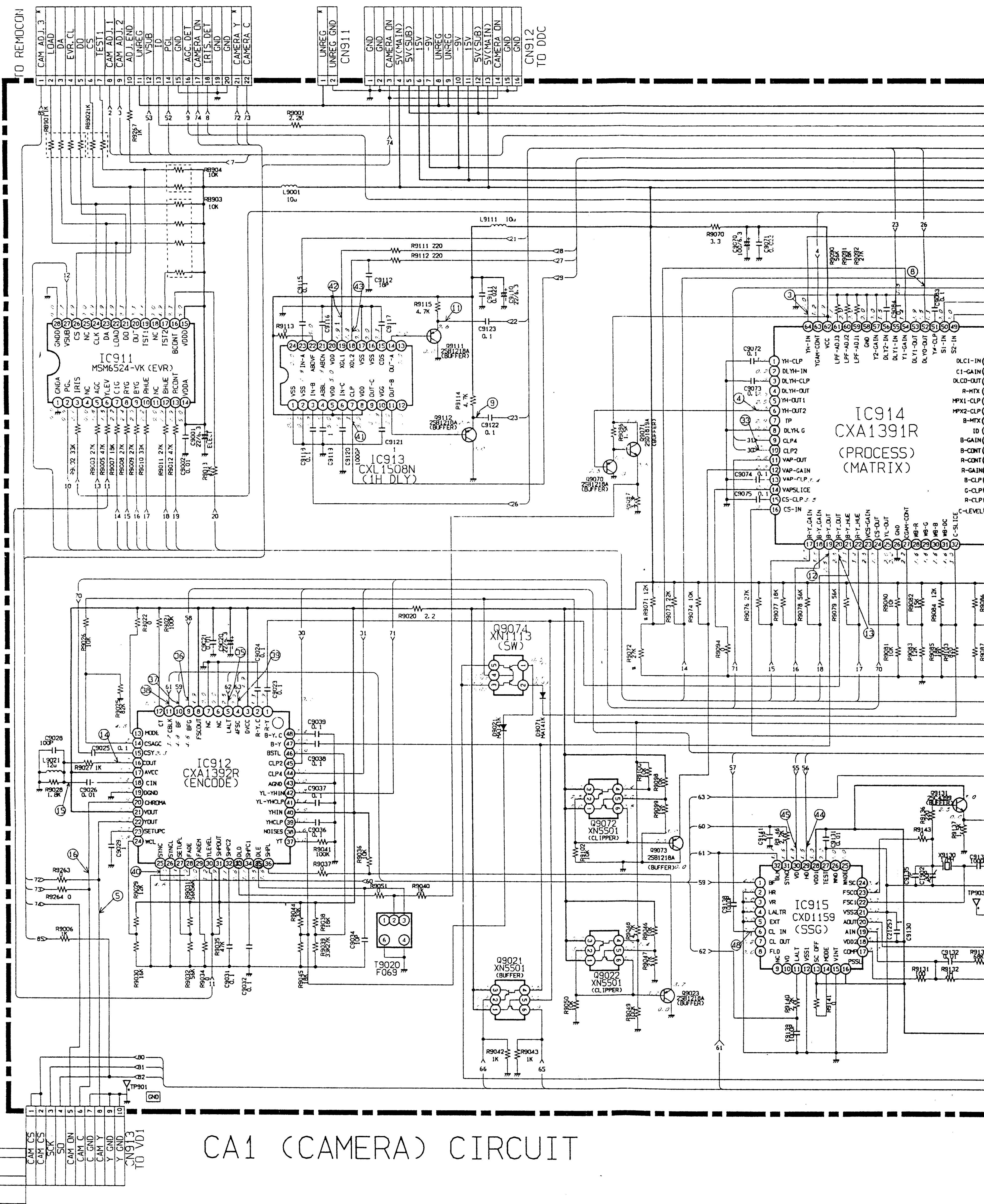

3
4
5
6
7
8
9
DY
H
V
RED
BLU
YEL
ORG
H
H
V
V
VF
CN972
JAE
BLK
V/A 5V
G N D
VF VIDEO
VF 5V
VF HD
CN971
JAE
2AG0W32A08401
MIC
W1000
2AG0W32A08201
LITHIUM BATTERY
UNREG
UNREG GND
CN911
JAE
CAM ADJ.3
LOAD
DA
EVR.CL
DO
CS
TEST1
CAM ADJ.1
CAM ADJ.2
ADJ.END
UNREG
VSUB
ID
PGL
G N D
AGC.DET
CAMERA ON
IRIS.DET
G N D
G N D
CAMERA Y
CAMERA C
J9001
CN912
AMP
CA1
CN913
AMP
CN914
JAE
SO
4FSC
SCK
C.BLK
CAMERA CS
+5V(SUB)
CAM ADJ.2
IRIS GAIN
CAM ADJ.1
B-Y
R-Y
R GAIN
G N D
B GAIN
AGC REF
GAIN UP
IRIS Y
+15V
G N D
UNREG
ES
CN931
JAE
CN932
MXJ
TC1
LI B
LI GND
CN103
JAE
CN108
JAE
INT MIC
MIC GND
CN107
JAE
NOT USED
RF SW1
PB RF
RF SW2
FO
CCD ON
NOT USED
NOT USED
C IN
Y,Y+C IN
G N D
G N D
S/S 5V
TEST
VF HD
VF VIDEO
NOT USED
NOT USED
J1005
AV JACK
G N D
+B
VIDEO OUT
VIDEO GND
AUDIO OUT
AUDIO GND
CN104
HOSI
CP1
Y GND
Y GND
CAMERA Y
C GND
CAMERA C
CAMERA ON
SO
SCK
CAMERA CS
CAMERA CS
CN105
AMP
J1004
J1003
J1002
UN LOAD
UN LOAD
LOAD
LOAD
DPG(+)
COM
DFG(+)
DRUM COM
DRUM W
DRUM V
DRUM U
G N D
FE(X)
FE(Y)
G N D
CH B(X)
CH B(Y)
G N D
CH A(Y)
CH A(X)
MODE SW2
MODE SW1
MODE SW0
DEW SENS
G N D
CST DOWN
REC PROOF
MP/ME
G N D
S REEL(+)
S REEL(-)
REEL ON
LOADING
MOTOR
2AG4B12A04501
2AG4B12A04401
2AG4B12A04
MECHA
CYLINDER
CH-A
M
FG
PG
CH-B
FEH
2AG4J1SCC11C9
SUB
SEC


VF1
DY
H
V
RED
BLU
YEL
ORG
4 H
3 H
2 V
1 V
CN972
JAE
BLK 1 V/A 5V
BLK 2 G N D
BLK 3 VF VIDEO
BLK 4 VF 5V
BLK 5 VF HD
CN971
JAE
2AG0W32A08401
MIC
2A08201
ATTERY
YEL
BLK
BLK
BLK
BLK
BLK
BLK
RED
BLK
1 LI B
2 LI GND
CN103
JAE
1 V/A 5V
2 G N D
3 VF VIDEO
4 VF 5V
5 VF HD
CN108
JAE
1 INT MIC
2 MIC GND
CN107
JAE
1 NOT USED
2 RF SW1
3 PB RF
4 RF SW2
5 FO
6 CCD ON
7 NOT USED
8 NOT USED
9 C IN
10 Y, Y+C IN
11 G N D
12 G N D
13 S/S 5V
14 TEST
15 VF HD
16 VF VIDEO
17 NOT USED
18 NOT USED
19 NOT USED
20 NOT USED
21 AUDIO IN
22 NOT USED
J1005
EJECT SW 1
STBY SW 2
SW COM 3
START/STOP SW 4
VTR. ON 5
G N D 6
G N D 7
VF 5V 8
S/S 5V 9
V/A 5V 10
CN101
AMP
CN301
AMP
EAR GND 1
EAR OUT L 2
EAR OUT R 3
CN303
HOSI
PW1
CP1
6 G N D
5 +B
4 VIDEO OUT
3 VIDEO GND
2 AUDIO OUT
1 AUDIO GND
CN104
HOSI
10 Y GND
9 Y GND
8 CAMERA Y
7 C GND
6 CAMERA C
5 CAMERA ON
4 SO
3 SCK
2 CAMERA CS
1 CAMERA CS
CN105
AMP
EAR OUT 1
EAR GND 2
CAP VS 3
CAP PWM 4
DRUM VS 5
DRUM PWM 6
UNREG 7
BATT SENSE 8
UNREG GND 9
UNREG GND 10
CN102
AMP
CN302
AMP
BATTERY + 1
CN306
BATTERY - 1
CN307
J1004
1 UN LOAD
2 UN LOAD
3 LOAD
4 LOAD
5 DPG(+)
6 COM
7 DFG(+)
8 DRUM COM
9 DRUM W
10 DRUM V
11 DRUM U
J1003
1 G N D
2 FE(X)
3 FE(Y)
4 G N D
5 CH B(X)
6 CH B(Y)
7 G N D
8 CH A(Y)
9 CH A(X)
J1002
1 MODE SW2
2 MODE SW1
3 MODE SW0
4 DEW SENS
5 G N D
6 CST DOWN
7 REC PROOF
8 MP/ME
9 G N D
10 S REEL(+)
11 S REEL(-)
12 REEL ON
13 T REEL(+)
14 T REEL(-)
15 TAPE END
16 TAPE TOP
17 MOTOR POWER
18 T/E LED
J1001
1 CFG
2 CAP F/R
3 CAP ON
4 UNREG
5 UNREG
6 CAP VS
7 CAP VS
8 UNREG GND
9 UNREG GND
CN305
OTP
1 UNREG GND
2 UNREG
BLK
RED
CN304
HOSI
1 DC IN +
2 DC IN -
3 BATT +
4 SWITCHED BATT +
DC JACK
LOADING
MOTOR
2AG4B12A04501
2AG4B12A04401
2AG4B12A04301
MECHA
2AG4B12A04201
CAPSTAN MOTOR
2AG0W32A08301
7 6 5 4 3 2 1
CYLINDER
CH-A
M
FG
PG
CH-B
FEH
11 10 9 8 7 6 5 4 3 2 1
2AG4J1SCC11C9

BASIC MODEL	CIRCUIT NAME	
COMMON MODEL	PCB NAME	PCB CODE
	FINISH DATE	
		PLOT DATE 92/ 4/ 9

CA1 (CAMERA) CIRCUIT

B


TO REMOCON
CAM ADJ.3
LOAD
DA
EVR.CL
DO
CS
TEST1
CAM ADJ.1
CAM ADJ.2
ADJ.END
UNREG
VSUB
PGL
GND
AGC.DET
CAMERA ON
IRIS.DET
GND
GND
CAMERA Y
CAMERA C
UNREG
UNREG GND
CN911
GND
GND
CAMERA ON
5V(MAIN)
5V(SUB)
15V
-9V
UNREG
UNREG
-9V
15V
5V(SUB)
5V(MAIN)
CAMERA ON
GND
GND
CN912
TO DDC
IC911
MSM6524-VK (EVR)
IC913
CXL1508N
(1H DLY)
Q9111
2SB1218A
(BUFFER)
Q9112
2SB1218A
(BUFFER)
IC914
CXA1391R
(PROCESS)
(MATRIX)
Q9070
2SB1218A
(BUFFER)
Q9071
2SD1819A
IC912
CXA1392R
(ENCODE)
Q9074
XN1113
(SW)
Q9072
XN5501
(CLIPPER)
Q9073
2SB1218A
(BUFFER)
Q9021
XN5501
(BUFFER)
Q9022
XN5501
(CLIPPER)
Q9023
2SB1218A
(BUFFER)
IC915
CXD1159
(SSG)
Q9131
(BUFFER)
T9020
F069
D9021
D9071
MA141K
L9001 10u
L9111 10u
L9021 12u
TP901
GND
TP903
CAM CS
CAM CS
SCK
SO
CAM ON
CAM C
C GND
CAM Y
Y GND
Y GND
CN913
TO VD1

CA1 (CAMERA) CIRCUIT

APPROVALS

CHKD

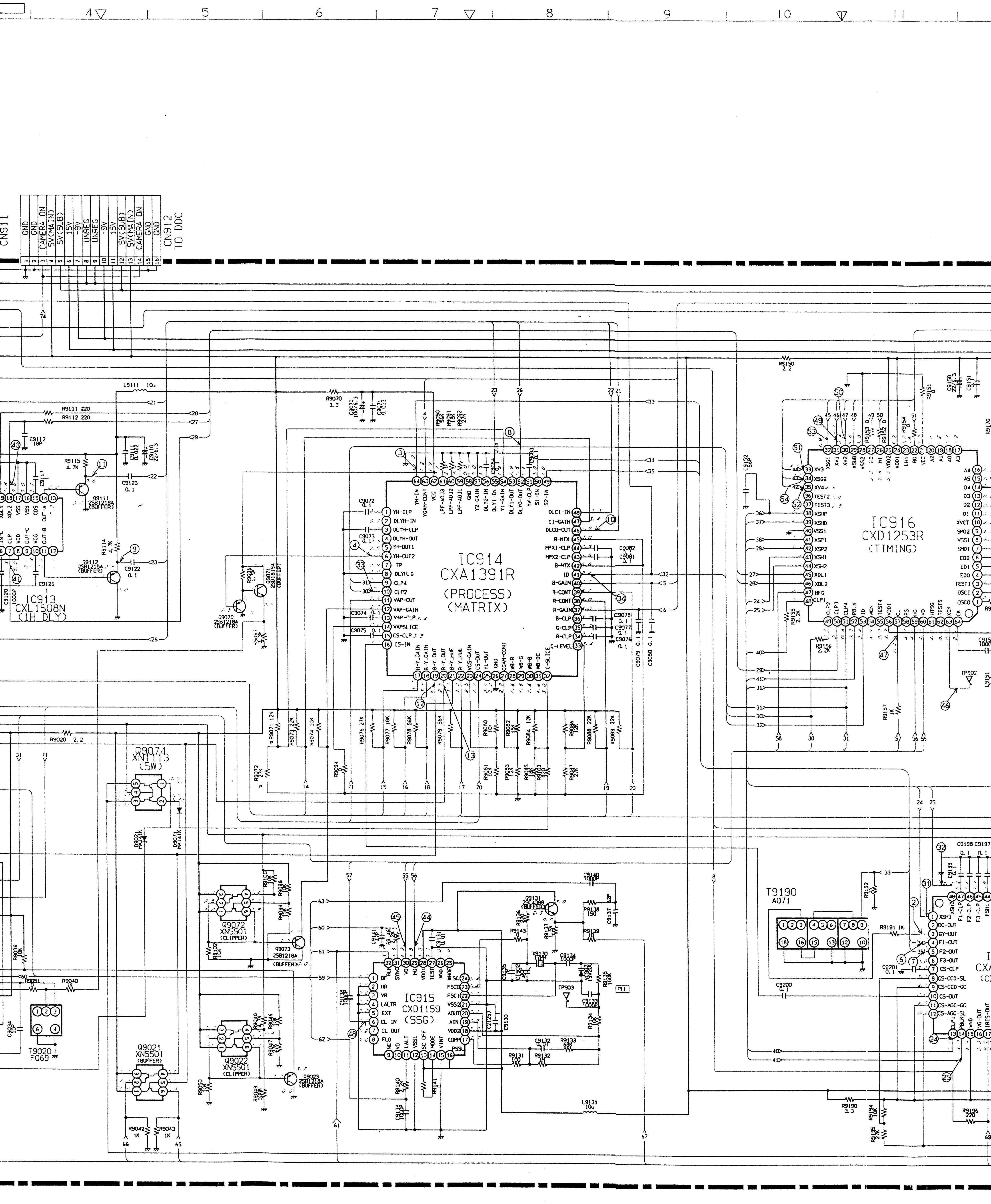
CHKD

DESIGN

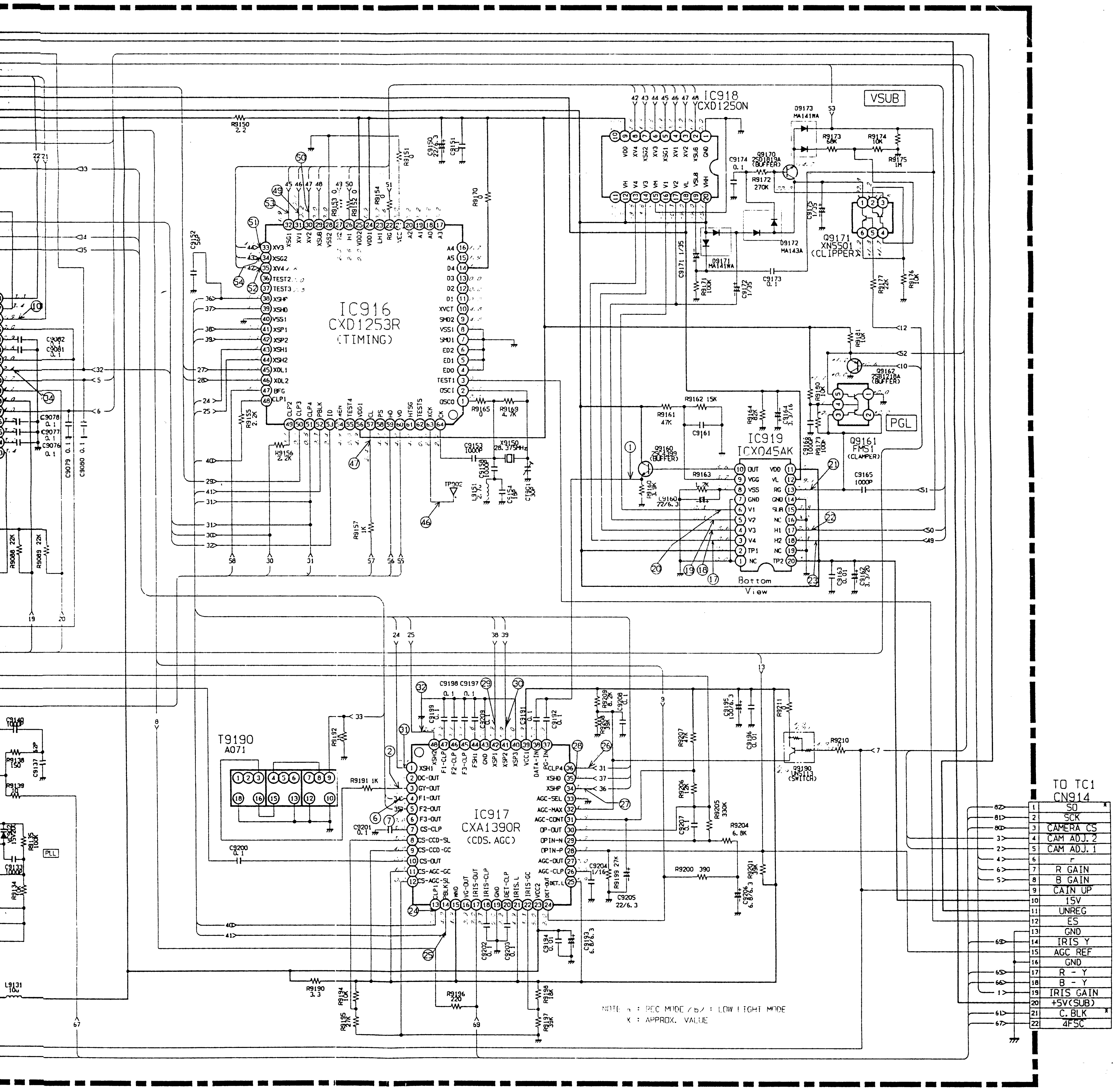
DRAWN

TRACE

MA	DATE	REV NO	REVISION	SUB	SEQ

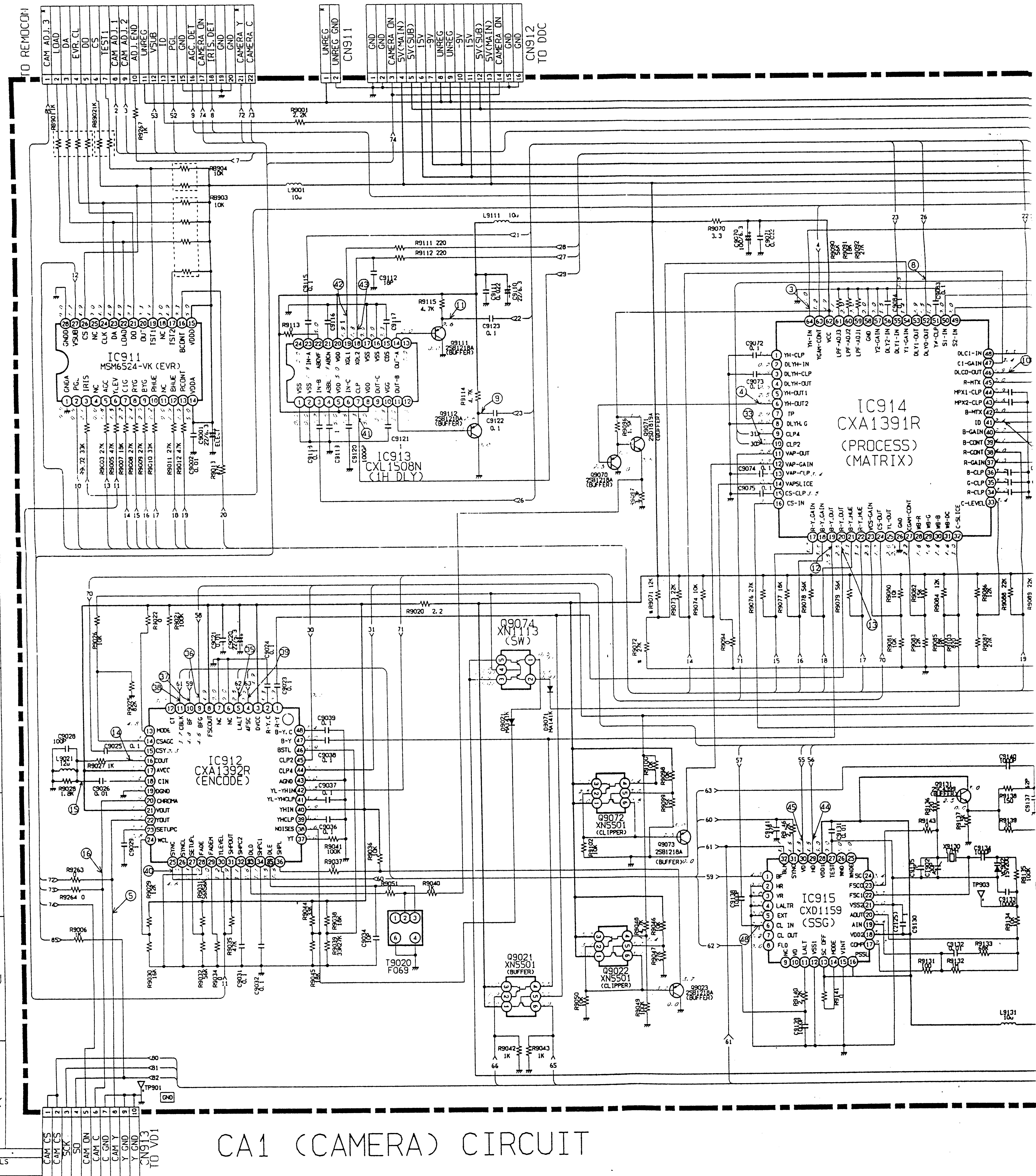

CN911
GND
GND
CAMERA ON
5V(MAIN)
5V(SUB)
15V
-9V
UNREG
UNREG
-9V
15V
5V(SUB)
5V(MAIN)
CAMERA ON
GND
GND
CN912
TO DDC
IC913
CXL1508N
(1H DLY)
IC914
CXA1391R
(PROCESS)
(MATRIX)
IC916
CXD1253R
(TIMING)
IC915
CXD1159
(SSG)
Q9111
2SB1218A
(BUFFER)
Q9112
2SB1218A
(BUFFER)
Q9070
2SB1218A
(BUFFER)
Q9071
2SD1819A
(BUFFER)
Q9074
XN1113
(SW)
D9021
MA141K
D9071
MA141K
Q9072
XN5501
(CLIPPER)
Q9073
2SB1218A
(BUFFER)
Q9021
XN5501
(BUFFER)
Q9022
XN5501
(CLIPPER)
Q9023
2SB1218A
(BUFFER)
Q9131
2SC4399
(BUFFER)
T9020
F069
T9190
A071
L9111 10μ
L9131 10μ
X9130
TP903
TP902
PLL
R9111 220
R9112 220
R9115 4.7K
R9114 4.7K
R9020 2.2
R9070 3.3
R9150 2.2
R9190 3.3
R9191 1K
R9156 2.2K
R9155 2.2K
R9157 1K
R9042 1K
R9043 1K
R9196 220
C9112 18P
C9123 0.1
C9122 0.1
C9072 0.1
C9073 0.1
C9074 0.1
C9075 0.1
C9078 0.1
C9077 0.1
C9076 0.1
C9079 0.1
C9080 0.1
C9082 0.1
C9081 0.1
C9200 0.1
C9201 0.1
C9140 100P
4
5
6
7
8
9
10
11

MERA) CIRCUIT


IC916
CXD1253R
(TIMING)
IC917
CXA1390R
(CDS. AGC)
IC918
CXD1250N
IC919
ICX045AK
Bottom View
VSUB
PGL
Q9170 2SD1819A (BUFFER)
Q9171 XN5501 (CLIPPER)
Q9160 2SC4399 (BUFFER)
Q9161 FMS1 (CLAMPER)
Q9162 2SB1218A (BUFFER)
Q9190 UN5113 (SWITCH)
D9171 MA141WA
D9172 MA143A
D9173 MA141WA
T9190
A071
X9150 28.375MHz
TP902
PLL
TO TC1
CN914
1 SO
2 SCK
3 CAMERA CS
4 CAM ADJ.2
5 CAM ADJ.1
6 r
7 R GAIN
8 B GAIN
9 CAIN UP
10 15V
11 UNREG
12 ES
13 GND
14 IRIS Y
15 AGC REF
16 GND
17 R - Y
18 B - Y
19 IRIS GAIN
20 +5V(SUB)
21 C.BLK
22 4F5C
NOTE : REC MODE / : LOW LIGHT MODE
K : APPROX. VALUE

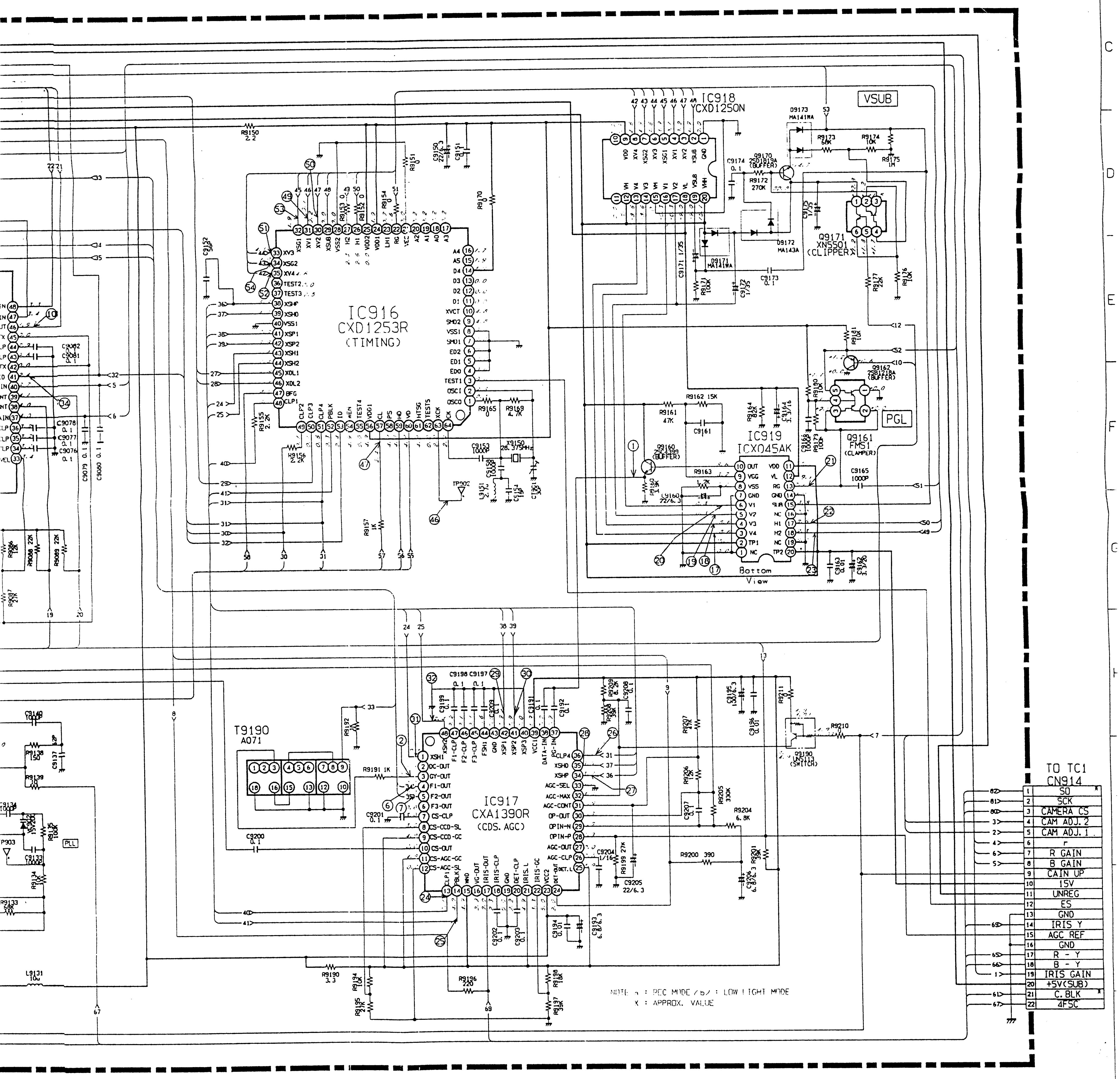
BASIC MODEL	CIRCUIT NAME	
COMMON MODEL	PCB NAME	SCH CODE
	FINISH DATE	
	DRAW ID	PLOT DATE 92.4.9

CA1 (CAMERA) CIRCUIT


TO REMOCON
CAM ADJ.3
LOAD
DA
EVR.CL
DO
CS
TEST1
CAM ADJ.1
CAM ADJ.2
ADJ.END
VMREG
VSUB
ID
PGL
GND
AGC DET
CAMERA ON
IRIS DET
GND
GND
CAMERA Y
CAMERA C
UNREG
UNREG GND
CN911
GND
GND
CAMERA ON
5V(MAIN)
5V(SUB)
15V
-9V
UNREG
UNREG
-9V
15V
5V(SUB)
5V(MAIN)
CAMERA ON
GND
GND
CN912
TO DDC
IC911
MSM6524-VK (EVR)
IC913
CXL1508N
(1H DLY)
Q9111
2SB1218A
(BUFFER)
Q9112
2SB1218A
(BUFFER)
IC914
CXA1391R
(PROCESS)
(MATRIX)
Q9070
2SB1218A
(BUFFER)
Q9071
2SD1819A
(BUFFER)
IC912
CXA1392R
(ENCODE)
Q9074
XN1113
(SW)
Q9072
XN5501
(CLIPPER)
Q9073
2SB1218A
(BUFFER)
Q9021
XN5501
(BUFFER)
Q9022
XN5501
(CLIPPER)
Q9023
2SB1218A
(BUFFER)
T9020
F069
IC915
CXD1159
(SSG)
Q9131
(BUFFER)
TP901
TP903
GND
CAM CS
CAM CS
SCK
SO
CAM C
C GND
CAM Y
Y GND
CN913
TO VD1

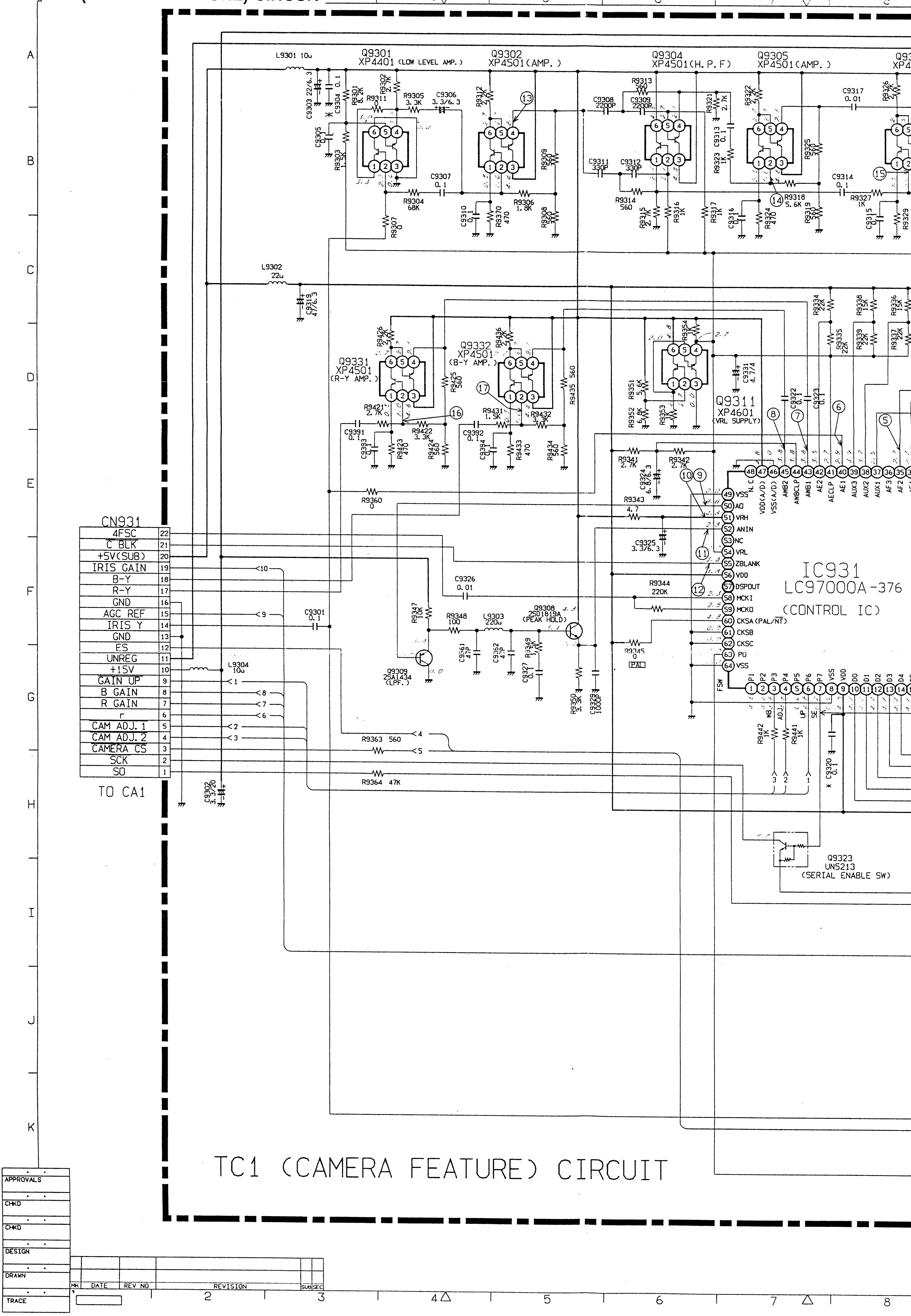
CA1 (CAMERA) CIRCUIT

APPROVALS
CHKD
CHKD
DESIGN
TRACE
DATE
REV NO
REVISION


IC916
CXD1253R
(TIMING)
IC917
CXA1390R
(CDS. AGC)
IC918
CXD1250N
IC919
ICX045AK
Bottom View
VSUB
PGL
T9190
A071
Q9171
XN5501
(CLIPPER)
Q9161
FMS1
(CLAMPER)
Q9160
2SC4399
(BUFFER)
Q9162
2SB1218A
(BUFFER)
Q9170
2SD1819A
(BUFFER)
Q9190
UN5113
(SWITCH)
D9173
MA141WA
D9172
MA143A
D9171
MA141WA
X9150
28.375MHz
R9150 2.2
R9162 15K
R9161 47K
C9165 1000P
R9191 1K
R9190 3.3
R9200 390
R9204 6.8K
R9205 330K
C9205 22/6.3
TO TC1
CN914
1 SO
2 SCK
3 CAMERA CS
4 CAM ADJ.2
5 CAM ADJ.1
6 r
7 R GAIN
8 B GAIN
9 CAIN UP
10 15V
11 UNREG
12 ES
13 GND
14 IRIS Y
15 AGC REF
16 GND
17 R - Y
18 B - Y
19 IRIS GAIN
20 +5V(SUB)
21 C.BLK
22 4FSC
NOTE ∗ : REC MODE / ∗2 : LOW LIGHT MODE
X : APPROX. VALUE

BASIC MODEL	CIRCUIT NAME	
COMMON MODEL	PCB NAME	SCH CODE
	FINISH DATE	
	DRAW ID	PLOT DATE 92.4.9

TC1 (CAMERA FEATURE) CIRCUIT


TC1 (CAMERA FEATURE) CIRCUIT
Q9301 XP4401 (LOW LEVEL AMP.)
Q9302 XP4501 (AMP.)
Q9304 XP4501 (H.P.F)
Q9305 XP4501 (AMP.)
Q9331 XP4501 (R-Y AMP.)
Q9332 XP4501 (B-Y AMP.)
Q9311 XP4601 (VRL SUPPLY)
Q9308 2SD1819A (PEAK HOLD)
Q9309 2SA1434 (LPF.)
Q9323 UN5213 (SERIAL ENABLE SW)
IC931 LC97000A-376 (CONTROL IC)
L9301 10u
L9302 22u
L9303 220u
L9304 10u
CN931
4FSC
C BLK
+5V(SUB)
IRIS GAIN
B-Y
R-Y
GND
AGC REF
IRIS Y
GND
ES
UNREG
+15V
GAIN UP
B GAIN
R GAIN
r
CAM ADJ. 1
CAM ADJ. 2
CAMERA CS
SCK
SO
TO CA1
49 VSS
50 AO
51 VRH
52 ANIN
53 NC
54 VRL
55 ZBLANK
56 VDD
57 DSPOUT
58 MCKI
59 MCKO
60 CKSA (PAL/NT)
61 CKSB
62 CKSC
63 PG
64 VSS
N.C
VDD(A/D)
VSS(A/D)
AWB2
AWBCLP
AWB1
AE2
AECLP
AE1
AUX3
AUX2
AUX1
AF3
AF2
FSW
P1
P2
P3
P4
P5
P6
P7
VSS
VDD
D0
D1
D2
D3
D4
WB
ADJ
UP
SE
R9360 0
R9363 560
R9364 47K
R9343 4.7
R9344 220K
R9345 0
PAL
R9341 2.7K
R9342 2.7K
R9347 10K
R9348 100
R9349 1.5K
R9350 3.3K
C9301 0.1
C9302 3.3/20
C9319 47/6.3
C9324 6.8/6.3
C9325 3.3/6.3
C9326 0.01
C9327 0.1
C9329 1000P
C9320 0.1
C9361 47P
C9362 47P
R9442 1K
R9441 1K
R9426 2.7K
R9436 2.7K
R9421 2.7K
R9422 3.3K
R9423 470
R9424 560
R9425 560
R9431 1.5K
R9432 3.3K
R9433 470
R9434 560
R9435 560
C9391 0.1
C9392 0.1
C9393 0.1
C9394 0.1
R9351 5.6K
R9352 6.8K
R9353
R9354
C9331 4.7/4
C9322 0.1
C9323 0.1
R9334 22K
R9335 22K
R9338 15K
R9339 22K
R9336 15K
R9337 22K
C9303 22/6.3
C9304 0.1
R9301 8.2K
R9302 2.7K
R9311 0
R9305 3.3K
C9306 3.3/6.3
C9305 0.1
R9303 1.5K
C9307 0.1
R9304 68K
R9307 0
R9312 2.2K
C9310 0.1
R9370 470
R9306 1.8K
R9308 560
R9309 560
C9308 2200P
C9309 2200P
R9313 560
C9311 330P
C9312 330P
R9314 560
R9315 2.7K
R9316 1K
R9317 1K
R9321 2.7K
C9313 0.1
R9323 1K
C9316 0.1
R9324 470
R9322 2.2K
R9325 390
R9318 5.6K
R9319 390
C9317 0.01
C9314 0.1
R9327 1K
C9315 0.1
R9326 2.2K
R9329

APPROVALS

CHKD

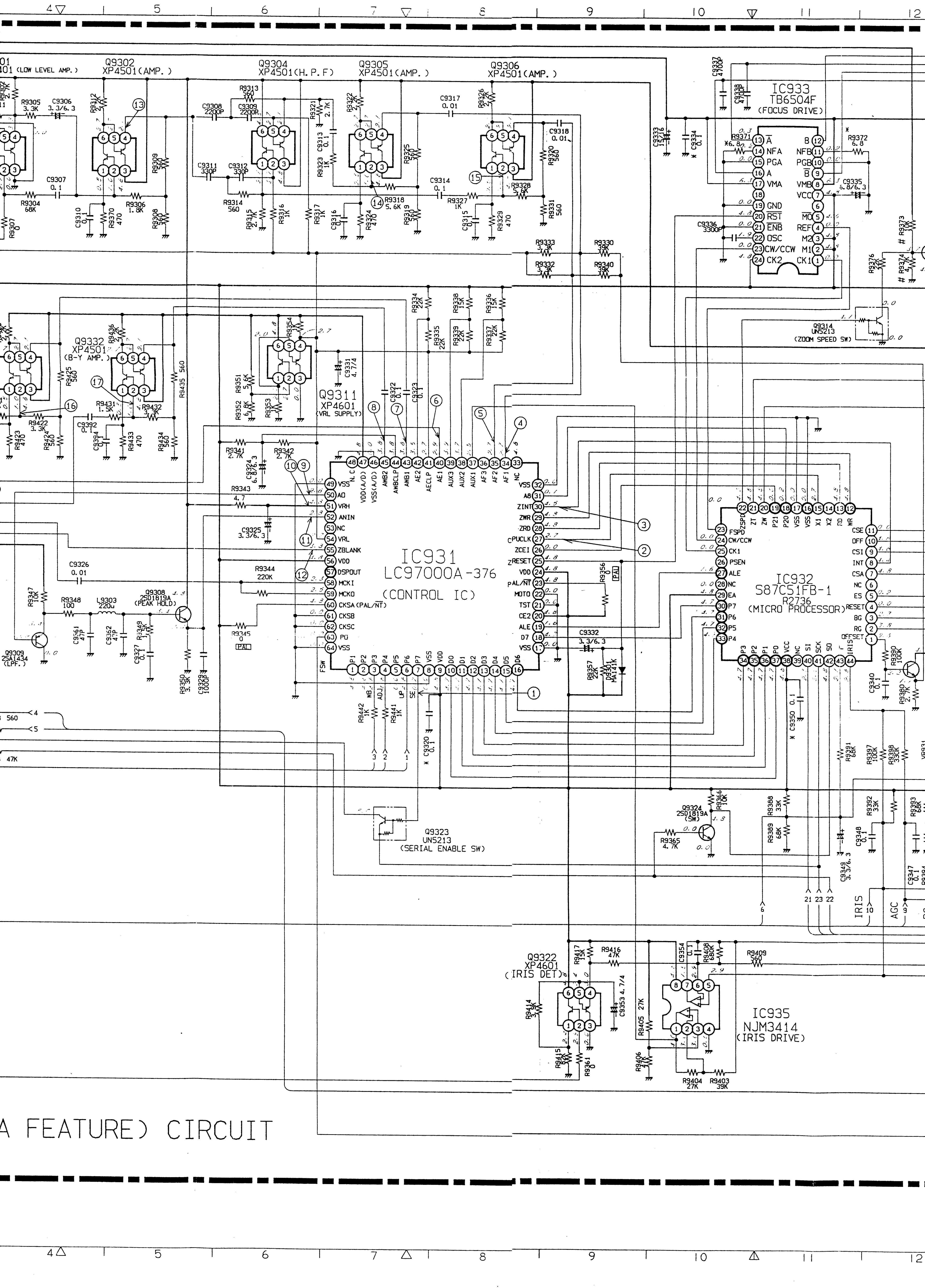
CHKD

DESIGN

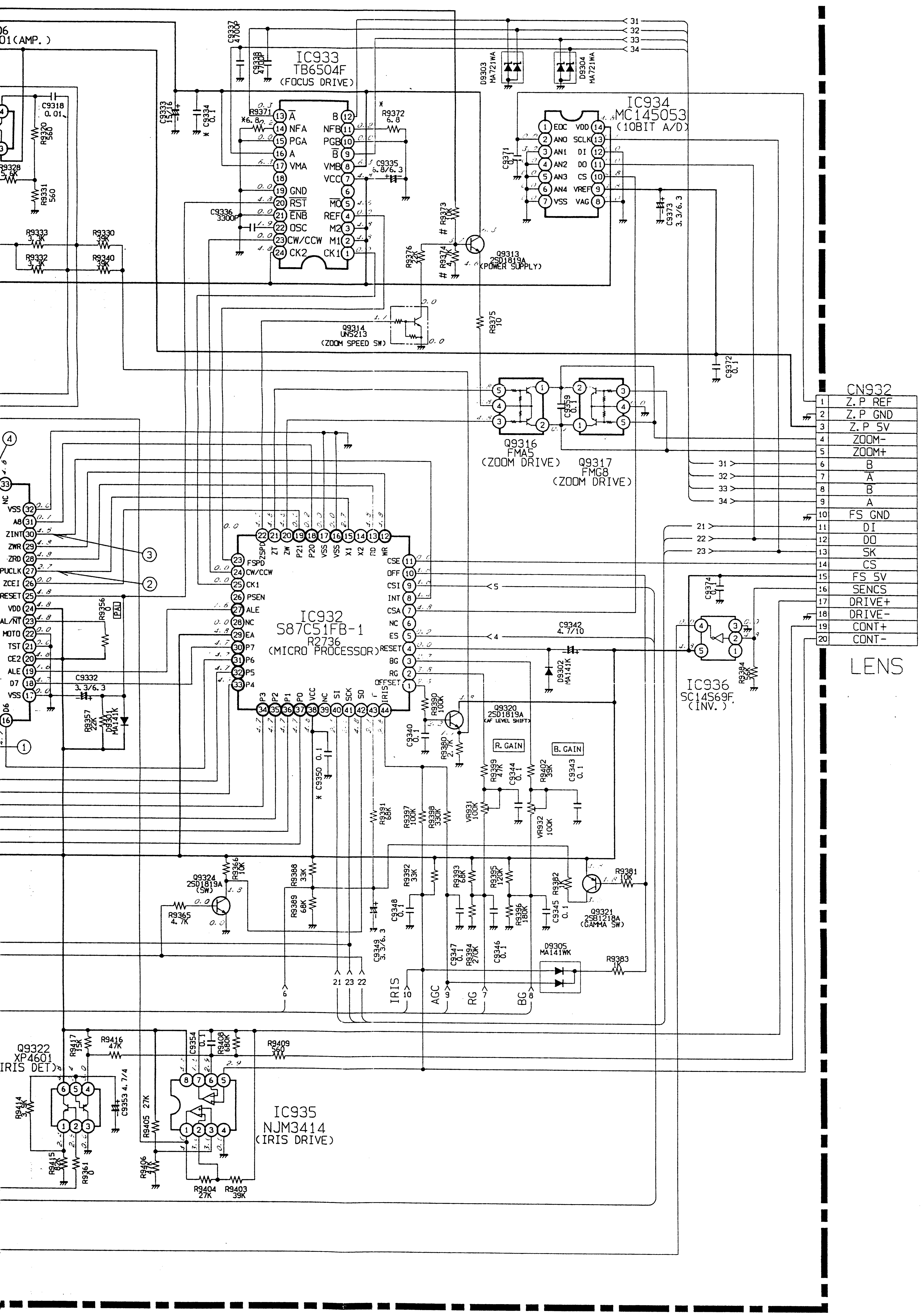
DRAWN

TRACE

MK	DATE	REV NO	REVISION	SUB	SEC

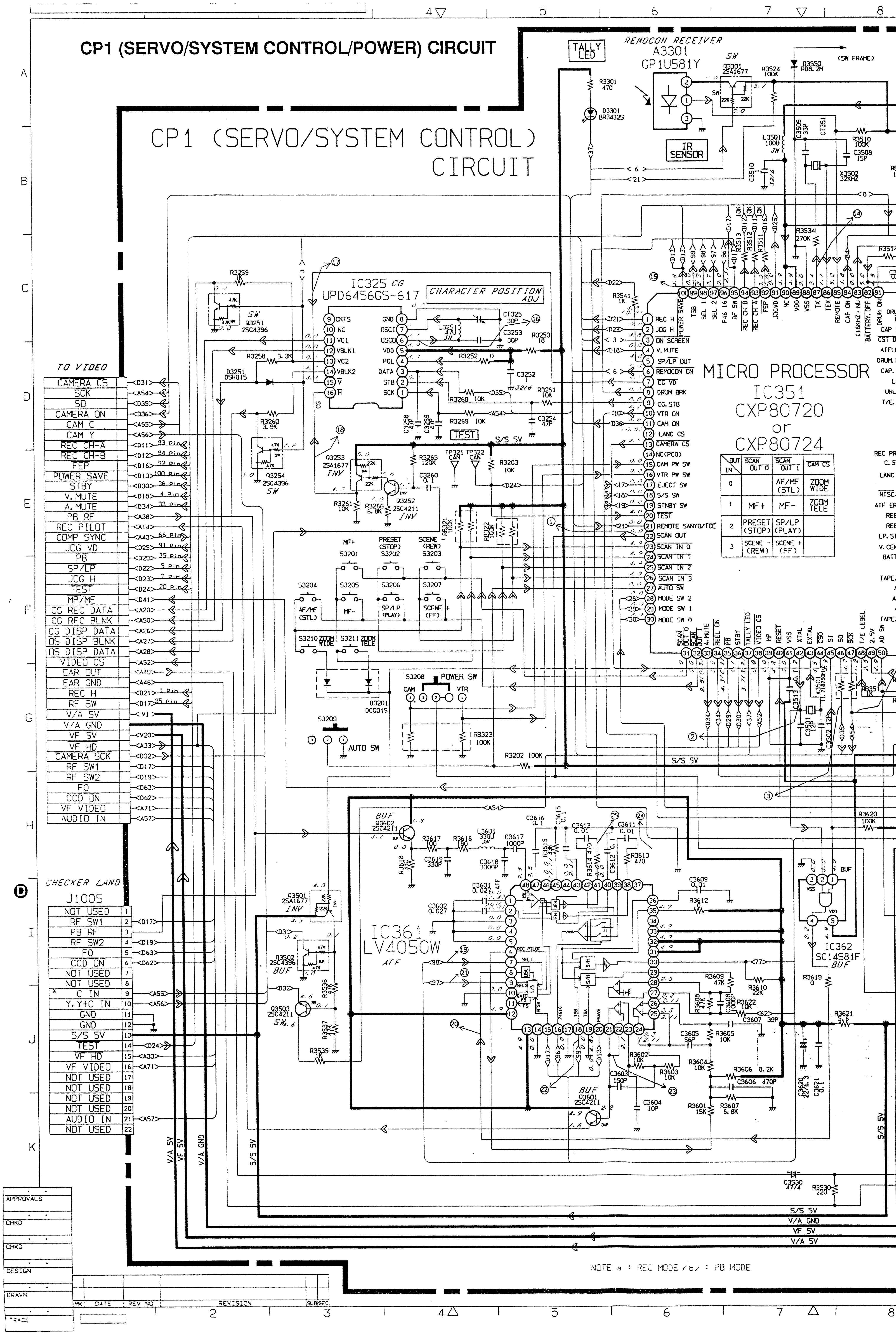

4 5 6 7 8 9 10 11 12
Q9302 XP4501 (AMP.)
(LOW LEVEL AMP.)
Q9304 XP4501 (H.P.F)
Q9305 XP4501 (AMP.)
Q9306 XP4501 (AMP.)
IC933 TB6504F (FOCUS DRIVE)
Q9332 XP4501 (B-Y AMP.)
Q9311 XP4601 (VRL SUPPLY)
Q9314 UN5213 (ZOOM SPEED SW)
IC931 LC97000A-376 (CONTROL IC)
IC932 S87C51FB-1 R2736 (MICRO PROCESSOR)
Q9308 2SD1819A (PEAK HOLD)
Q9309 2SA1434 (LPF.)
Q9323 UN5213 (SERIAL ENABLE SW)
Q9324 2SD1819A (SW)
Q9322 XP4601 (IRIS DET)
IC935 NJM3414 (IRIS DRIVE)
IRIS 10
AGC
PAL

A FEATURE) CIRCUIT


IC933
TB6504F
(FOCUS DRIVE)
IC934
MC145053
(10BIT A/D)
IC932
S87C51FB-1
R2736
(MICRO PROCESSOR)
IC935
NJM3414
(IRIS DRIVE)
IC936
SC14S69F
(INV.)
Q9313
2SD1819A
(POWER SUPPLY)
Q9314
UN5213
(ZOOM SPEED SW)
Q9316
FMA5
(ZOOM DRIVE)
Q9317
FMG8
(ZOOM DRIVE)
Q9320
2SD1819A
(AF LEVEL SHIFT)
Q9321
2SB1218A
(GAMMA SW)
Q9322
XP4601
IRIS DET)
Q9324
2SD1819A
(SW)
D9303
MA721WA
D9304
MA721WA
D9302
MA141K
D9305
MA141WK
D9301
MA141K
R. GAIN
B. GAIN
VR931
100K
VR932
100K
PAL
CN932
1 Z.P REF
2 Z.P GND
3 Z.P 5V
4 ZOOM-
5 ZOOM+
6 B
7 A
8 B
9 A
10 FS GND
11 DI
12 DO
13 SK
14 CS
15 FS 5V
16 SENCS
17 DRIVE+
18 DRIVE-
19 CONT+
20 CONT-
LENS
IRIS
AGC
RG
BG
C9318 0.01
R9320 560
R9328 5.6K
R9331 560
R9333 3.3K
R9330 39K
R9332 3.3K
R9340 39K
C9337 4700P
C9338 4700P
C9333 15/16
C9334 0.1
R9371 6.8
R9372 6.8
C9335 6.8/6.3
C9336 3300P
R9373 10K
R9374 4.7K
R9376 22K
R9375 10
C9371 0.1
C9373 3.3/6.3
C9372 0.1
C9359 0.1
C9374 0.1
R9384 56K
C9342 4.7/10
C9332 3.3/6.3
R9356 0
R9357 22K
R9390 100K
R9380 2.7K
C9340 0.1
R9399 47K
C9344 0.1
R9402 39K
C9343 0.1
C9350 0.1
R9391 68K
R9397 100K
R9398 330K
R9366 10K
R9365 4.7K
R9388 33K
R9389 68K
C9348 0.1
C9349 3.3/6.3
R9392 33K
R9393 68K
R9395 120K
R9382 1K
R9381 10K
C9347 0.1
R9394 270K
C9346 0.1
R9396 180K
C9345 0.1
R9383 1K
R9417 15K
R9416 47K
C9354 0.1
R9408 680K
R9409 560
C9353 4.7/4
R9414 3.9K
R9415 82K
R9361 0
R9405 27K
R9406 47K
R9404 27K
R9403 39K
31
32
33
34
21
22
23
5
4
6
10
9
7
8
21 23 22
①
②
③
④

BASIC MODEL	CIRCUIT NAME
COMMON MODEL	PCB NAME
	SCH CODE
	FINISH DATE
	DRAW ID
	PLOT DATE 92. 4. 9

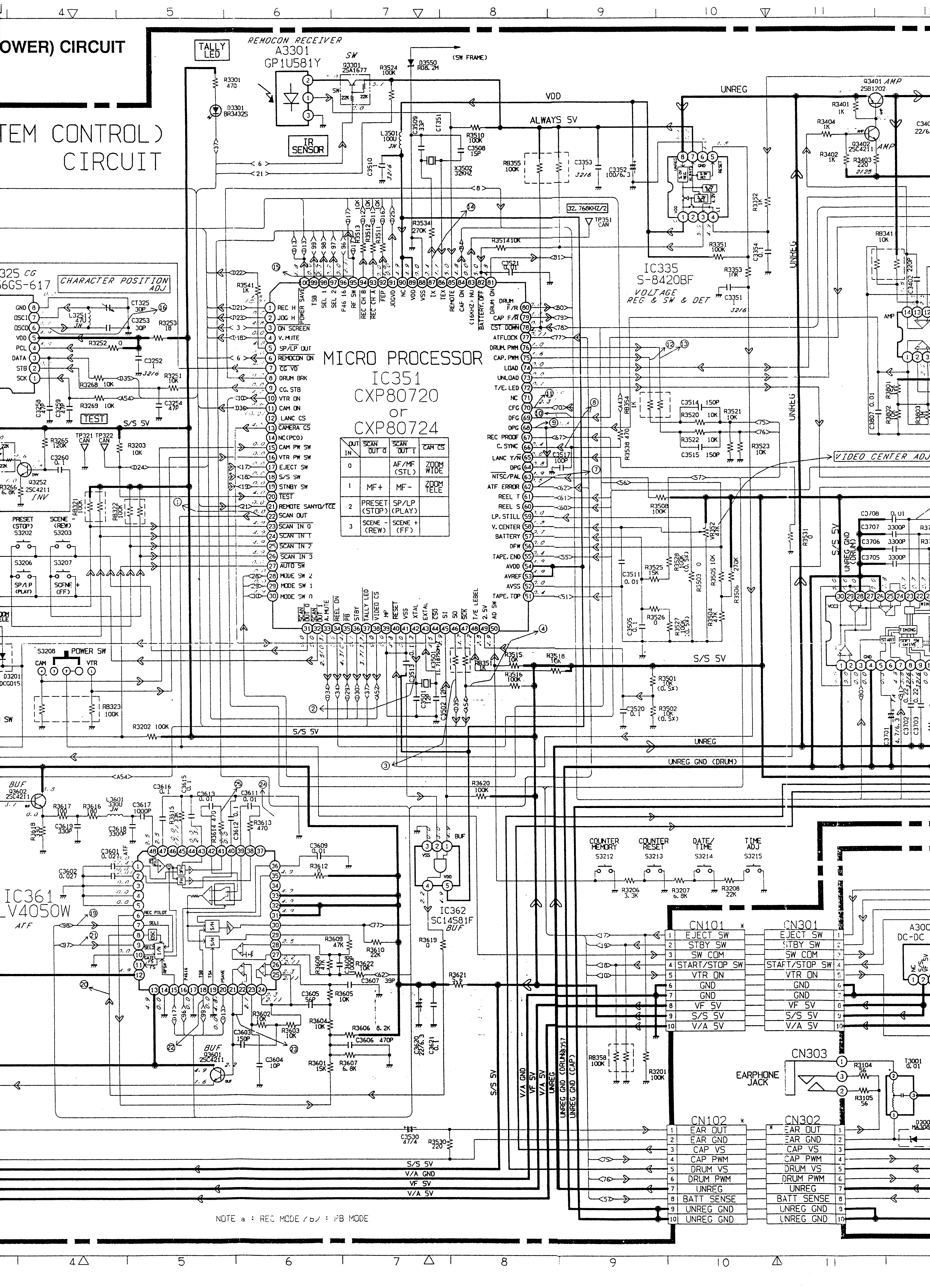
CP1 (SERVO/SYSTEM CONTROL/POWER) CIRCUIT


CP1 (SERVO/SYSTEM CONTROL) CIRCUIT
TALLY LED
REMOCON RECEIVER
A3301
GP1U581Y
IR SENSOR
SW Q3301 2SA1677
R3301 470
D3301 BR3432S
D3550 RD8.2M
(SW FRAME)
L3501 100U
X3502 32KHZ
IC325 CG
UPD6456GS-617
CHARACTER POSITION ADJ
CT325 30P
C3253 30P
MICRO PROCESSOR
IC351
CXP80720
or
CXP80724
TO VIDEO
CAMERA CS
SCK
SO
CAMERA ON
CAM C
CAM Y
REC CH-A
REC CH-B
FEP
POWER SAVE
STBY
V. MUTE
A. MUTE
PB RF
REC PILOT
COMP SYNC
JOG VD
PB
SP/LP
JOG H
TEST
MP/ME
CG REC DATA
CG REC BLNK
CG DISP DATA
OS DISP BLNK
OS DISP DATA
VIDEO CS
EAR OUT
EAR GND
REC H
RF SW
V/A 5V
V/A GND
VF 5V
VF HD
CAMERA SCK
RF SW1
RF SW2
FO
CCD ON
VF VIDEO
AUDIO IN
CHECKER LAND
J1005
NOT USED
RF SW1
PB RF
RF SW2
FO
CCD ON
NOT USED
NOT USED
C IN
Y. Y+C IN
GND
GND
S/S 5V
TEST
VF HD
VF VIDEO
NOT USED
NOT USED
NOT USED
NOT USED
AUDIO IN
NOT USED
MF+ S3201
PRESET (STOP) S3202
SCENE (REW) S3203
S3204 AF/MF (STL)
S3205 MF-
S3206 SP/LP (PLAY)
S3207 SCENE + (FF)
S3210 ZOOM WIDE
S3211 ZOOM TELE
D3201 DCG015
S3208 POWER SW
CAM
VTR
S3209
AUTO SW
RB323 100K
R3202 100K
S/S 5V
TEST
TP321 CAN
TP322 CAN
Q3253 2SA1677 INV
Q3252 2SC4211 INV
Q3254 2SC4396 SW
Q3251 2SC4396 SW
D3251 DSH015
IC361
LV4050W
ATF
BUF Q3602 2SC4211
BUF Q3601 2SC4211
Q3501 2SA1677 INV
Q3502 2SC4396 BUF
Q3503 2SC4211 SW
IC362
SC14S81F
BUF
S/S 5V
V/A GND
VF 5V
V/A 5V
APPROVALS
CHKD
CHKD
DESIGN
DRAWN
TRACE
DATE
REV NO
REVISION
SUBJSEC

NOTE a : REC MODE / b) : PB MODE

OWER) CIRCUIT

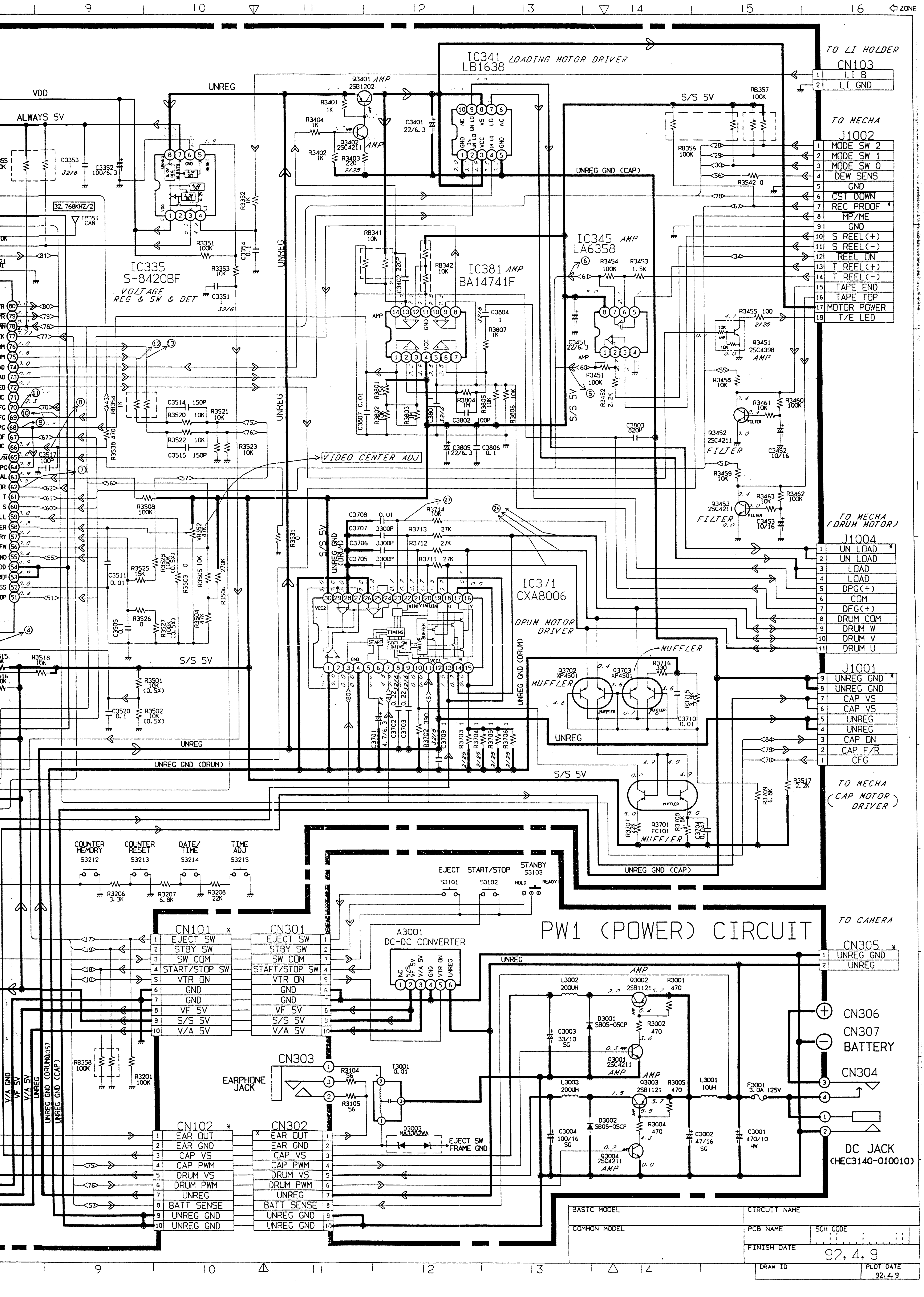
TEM CONTROL)
CIRCUIT



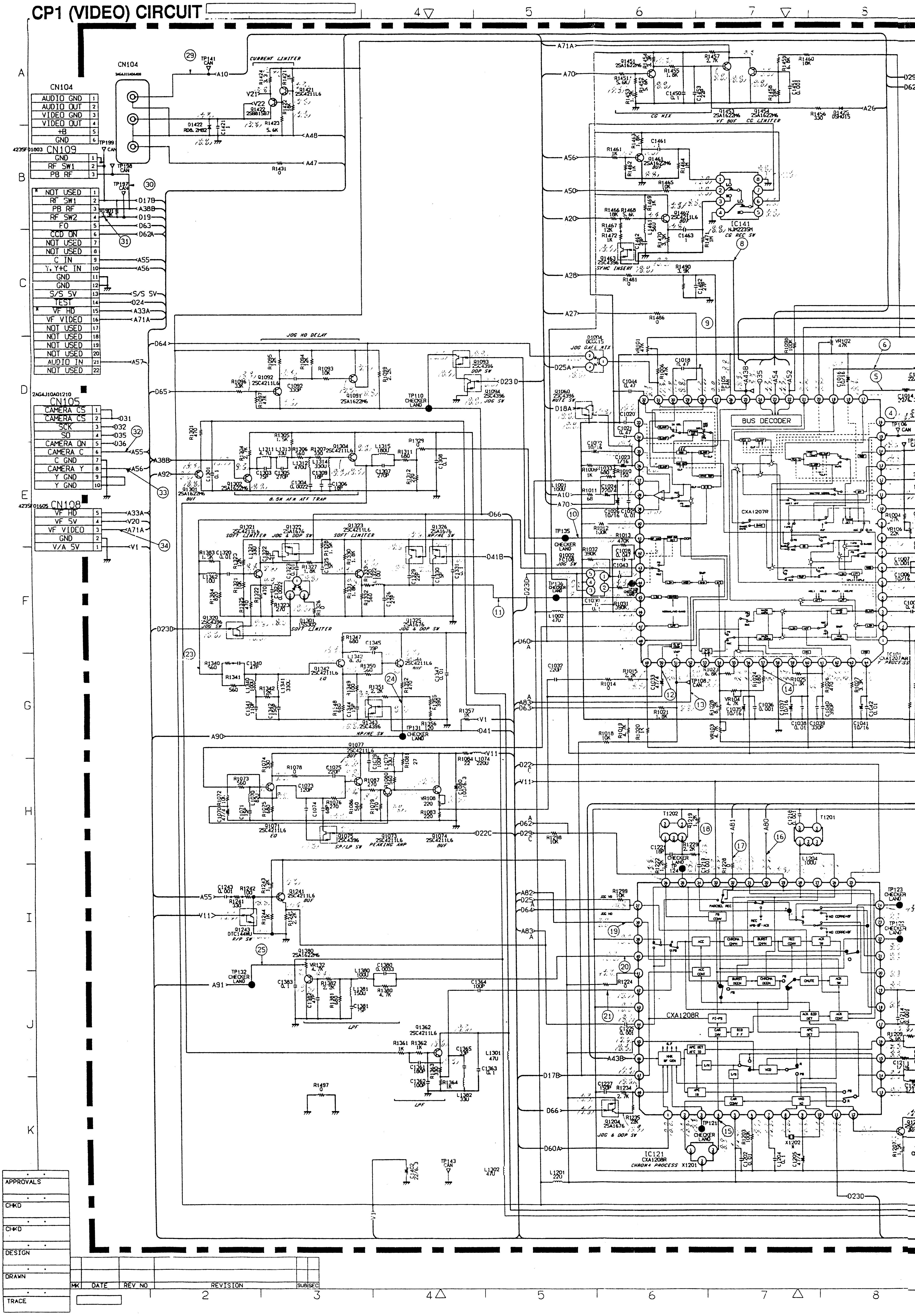
4 5 6 7 8 9 10 11
TALLY LED
REMOCON RECEIVER
A3301
GP1U581Y
IR SENSOR
SW
Q3301
2SA1677
R3524 100K
D3550 RD8.2M
(SW FRAME)
VDD
UNREG
ALWAYS 5V
Q3401 AMP
2SB1202
R3401 1K
R3404 1K
Q3402 2SC4211 AMP
R3402 1K
R3403 220
R3301 470
D3301 BR3432S
L3501 100U
C3509 33P
CT351
R3510 100K
C3508 15P
X3502 32KHZ
C3510
R8355 100K
C3353 1
C3352 100/6.3
32.768KHZ/2
TP351 CAN
R3534 270K
R3541 1K
R3514 10K
C3521 0.01
IC335
S-8420BF
VOLTAGE REG & SW & DET
R3351 100K
R3353 10K
C3351 1
C3354 0.1
R3352 1K
R8341 10K
C3402 220P
325 CG
56GS-617
CHARACTER POSITION ADJ
CT325 30P
L3251 47U
C3253 30P
R3253 18
R3252 0
C3252
R3251 10K
R3268 10K
R3269 10K
C3254 47P
C3258 47P
C3259 47P
TEST
S/S 5V
TP321 CAN
TP322 CAN
R3265 120K
R3203 10K
C3260 0.1
Q3252 2SC4211 INV
R3266 6.8K
R8321 100K
R8322 100K
PRESET (STOP) S3202
SCENE (REW) S3203
S3206 SP/LP (PLAY)
S3207 SCENE + (FF)
MICRO PROCESSOR
IC351
CXP80720
or
CXP80724
REC H
JOG H
ON SCREEN
V.MUTE
SP/LP OUT
REMOCON ON
CG VD
DRUM BRK
CG.STB
VTR ON
CAM ON
LANC CS
CAMERA CS
NC(PCO)
CAM PW SW
VTR PW SW
EJECT SW
S/S SW
STNBY SW
TEST
REMOTE SANYO/TCE
SCAN OUT
SCAN IN 0
SCAN IN 1
SCAN IN 2
SCAN IN 3
AUTO SW
MODE SW 2
MODE SW 1
MODE SW 0
DRUM F/R
CAP F/R
CST DOWN
ATFLOCK
DRUM PWM
CAP PWM
LOAD
UNLOAD
T/E LED
NC
CFG
DFG
DPG
REC PROOF
C.SYNC
LANC Y/N
DPG
NTSC/PAL
ATF ERROR
REEL T
REEL S
LP.STILL
V.CENTER
BATTERY
DFW
TAPE.END
AVDD
AVREF
AVSS
TAPE.TOP
POWER SAVE
TSB
SEL 1
SEL 2
F46 16
RF SW
REC CH B
REC CH A
FEP
JOGVD
NC
VSS
TX
TEX
REMOTE
CAP ON
(16KHZ) NU
BATTERY OFF
SCAN OUT 0
A.MUTE
REEL ON
PB
STBY
TALLY LED
VIDEO CS
MP
RESET
VSS
XTAL
EXTAL
CS0
SI
SO
SCK
T/E LEBEL
2.5V
AD SW
R3515 10K
R3516 100K
R3518 10K
R8351
X3501 10MHz
C3513
C3501 12P
C3502 12P
R3501 10K (0.5%)
R3502 10K (0.5%)
C3520 0.1
S/S 5V
R3354 1K
R3538 470
C3514 150P
R3520 10K
R3521 10K
R3522 10K
R3523 10K
C3515 150P
C3517 100P
VIDEO CENTER ADJ
R3508 100K
VR352 47K
R3531 0
R3525 15K
R3528 10K (0.5%)
R3503 0
R3505 10K
R3506 270K
C3511 0.01
R3526 0
R3527 10K (0.5%)
R3504 47K
C3505 0.1
UNREG
UNREG GND (DRUM)
S/S 5V
UNREG GND (DRUM)
C3708 0.01
C3707 3300P
C3706 3300P
C3705 3300P
C3807 0.01
R3801
R3802
R3803
C3701 4.7/6.3
C3702
C3703
VCC2
TIMING
START
SOFT SW DRIVE
MIN
AMP
S3208 POWER SW
CAM
VTR
Q3201 DCG015
R8323 100K
R3202 100K
SW
BUF
Q3602 2SC4211
R3617 100
R3616 180
L3601 330U
C3617 1000P
C3616 0.1
C3615 0.1
C3613 0.01
C3611 0.01
R3618 330
C3619 330P
C3618 3300P
R3615
R3614 470
C3612
R3613 470
R3620 100K
C3601 0.022
C3602 0.027
IC361
LV4050W
ATF
REC PILOT
SEL1
SEL2
REC
GATE
1/N
FS
SH
S/H
P4016
TSB
PSAVE
C3609 0.1
R3612 0
R3609 47K
R3610 22K
R3608 47K
C3608 300P
R3622 10K
C3607 39P
C3605 56P
R3605 10K
R3604 10K
R3606 8.2K
C3606 470P
R3602 10K
R3603 10K
C3603 150P
C3604 10P
BUF
Q3601 2SC4211
R3601 15K
R3607 6.8K
IC362
SC14S81F
BUF
VSS
VDD
R3619 0
R3621 0
C3620 22/6.3
C3621 0.1
COUNTER MEMORY S3212
COUNTER RESET S3213
DATE/TIME S3214
TIME ADJ S3215
R3206 3.3K
R3207 6.8K
R3208 22K
CN101
EJECT SW
STBY SW
SW COM
START/STOP SW
VTR ON
GND
GND
VF 5V
S/S 5V
V/A 5V
CN301
EJECT SW
STBY SW
SW COM
START/STOP SW
VTR ON
GND
GND
VF 5V
S/S 5V
V/A 5V
A300
DC-DC
CN303
EARPHONE JACK
R3104 56
R3105 56
T3001 0.01
D300 MA308
R8358 100K
R8357
R3201 100K
S/S 5V
V/A GND
VF 5V
V/A 5V
UNREG
UNREG GND (DRUM)
UNREG GND (CAP)
CN102
EAR OUT
EAR GND
CAP VS
CAP PWM
DRUM VS
DRUM PWM
UNREG
BATT SENSE
UNREG GND
UNREG GND
CN302
EAR OUT
EAR GND
CAP VS
CAP PWM
DRUM VS
DRUM PWM
UNREG
BATT SENSE
UNREG GND
UNREG GND
C3530 47/4
R3530 220
S/S 5V
V/A GND
VF 5V
V/A 5V
4 5 6 7 8 9 10 11

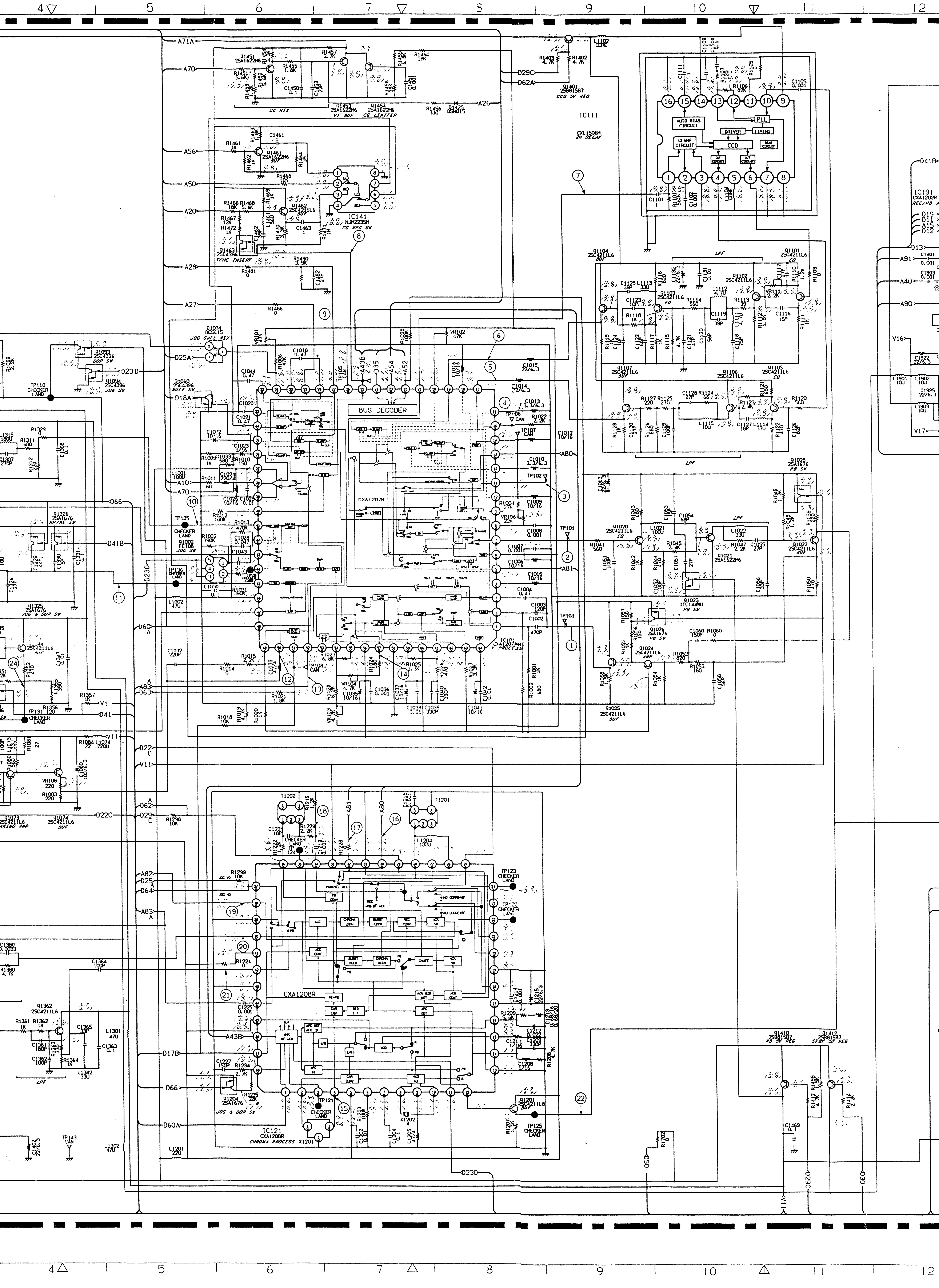
OUT / IN	SCAN OUT 0	SCAN OUT 1	CAM CS
0		AF/MF (STL)	ZOOM WIDE
1	MF+	MF-	ZOOM TELE
2	PRESET (STOP)	SP/LP (PLAY)	
3	SCENE - (REW)	SCENE + (FF)	

NOTE a : REC MODE / b : PB MODE

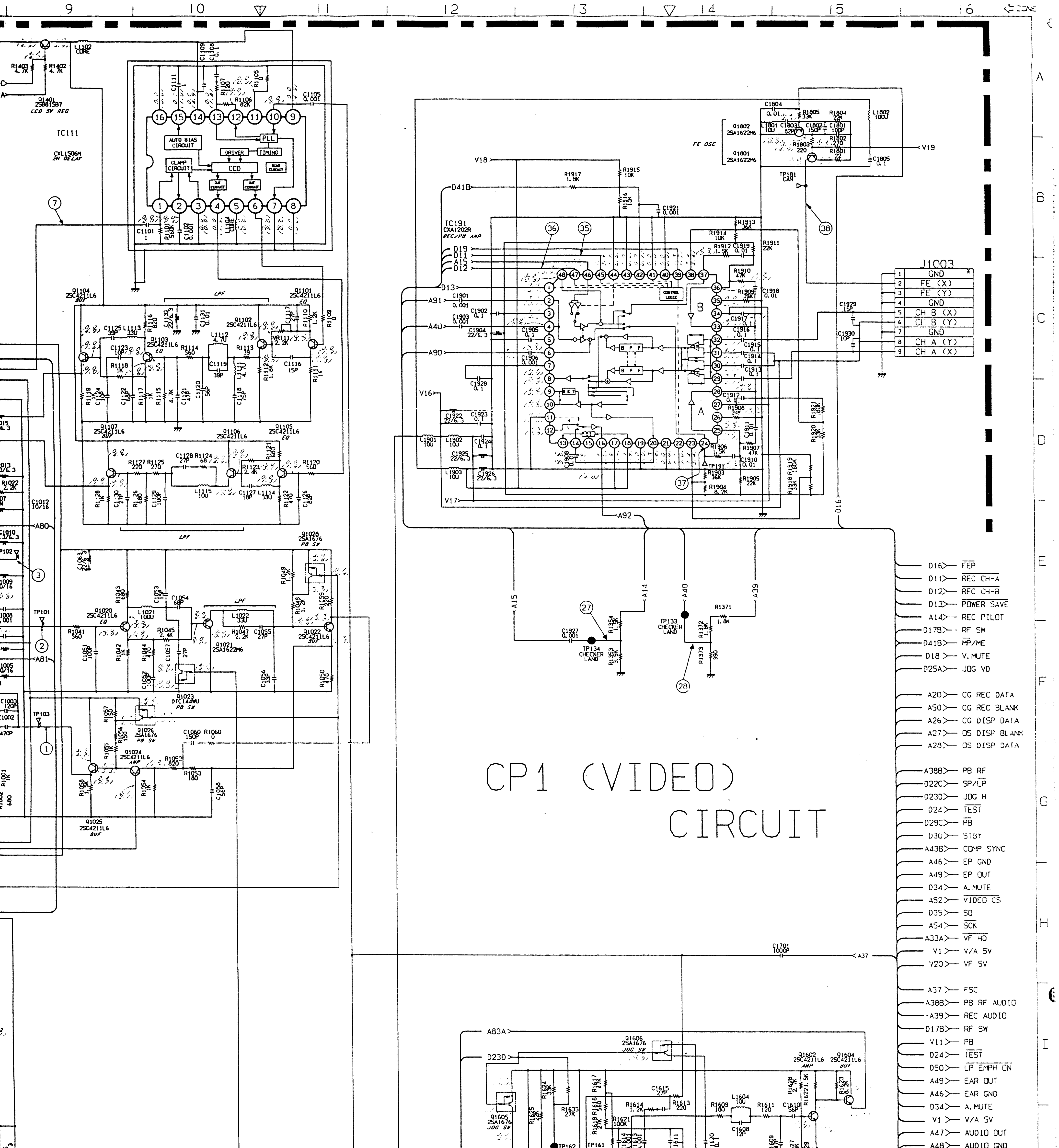

9
10
11
12
13
14
15
16
ZONE
VDD
ALWAYS 5V
UNREG
C3353 1 32/6
C3352 100/6.3
32.768KHZ/2
TP351 CAN
IC335
S-8420BF
VOLTAGE REG & SW & DET
R3351 100K
R3352 1K
R3353 10K
C3354 0.1
C3351 1 32/6
Q3401 AMP 2SB1202
R3401 1K
R3404 1K
Q3402 2SC4211 AMP
R3402 1K
R3403 220 2/25
C3401 22/6.3
IC341 LOADING MOTOR DRIVER
LB1638
UNREG GND (CAP)
S/S 5V
R8357 100K
R8356 100K
R3542 0
TO LI HOLDER
CN103
LI B
LI GND
TO MECHA
J1002
MODE SW 2
MODE SW 1
MODE SW 0
DEW SENS
GND
CST DOWN
REC PROOF
MP/ME
GND
S REEL(+)
S REEL(-)
REEL ON
T REEL(+)
T REEL(-)
TAPE END
TAPE TOP
MOTOR POWER
T/E LED
R8341 10K
C3402 220P
R8342 10K
IC381 AMP
BA14741F
C3804 1
R3807 1K
IC345 AMP
LA6358
R3454 100K
R3453 1.5K
C3451 22/6.3
R3451 100K
R3452 2.2K
R3455 100 2/25
Q3451 2SC4398 AMP
R3458 10K
R3461 10K
R3460 100K
Q3452 2SC4211 FILTER
C3452 10/16
R3459 10K
R3463 10K
R3462 100K
Q3453 2SC4211 FILTER
C3453 10/16
C3514 150P
R3520 10K
R3521 10K
R3522 10K
C3515 150P
R3523 10K
R3538 470
R8354 1K
C3517 100P
R3508 100K
VR352 47K
C3511 0.01
R3525 15K
R3528 100K (0.5%)
R3503 0
R3505 10K
R3506 270K
R3526 0
R3527 100K (0.5%)
R3504 47K
C3505 0.1
R3518 10K
R3501 10K (0.5%)
C3520 0.1
R3502 10K (0.5%)
VIDEO CENTER ADJ
R3531 0
C3807 0.01
R3801
R3802
R3803
C3801
R3804 1M
C3802 100P
R3805 10K
R3806 10K
C3805 22/6.3
C3806 0.1
C3803 820P
C3708 0.01
C3707 3300P
C3706 3300P
C3705 3300P
R3714 10K
R3713 27K
R3712 27K
R3711 27K
IC371
CXA8006
DRUM MOTOR DRIVER
UNREG GND (DRUM)
TO MECHA (DRUM MOTOR)
J1004
UN LOAD
UN LOAD
LOAD
LOAD
DPG(+)
COM
DFG(+)
DRUM COM
DRUM W
DRUM V
DRUM U
MUFFLER
Q3702 XP4501
Q3703 XP4501
R3716 330
R3715 3.9K
C3710 0.01
J1001
UNREG GND
UNREG GND
CAP VS
CAP VS
UNREG
UNREG
CAP ON
CAP F/R
CFG
C3701 4.7/6.3
C3702
C3703
R3702 330
C3709 1
R3703 2/25
R3704 2/25
R3705 2/25
R3706 2/25
UNREG
UNREG GND (DRUM)
S/S 5V
R3517 2.2K
R3709 6.8K
Q3701 FC101
R3707
R3708
C3704 0.047
TO MECHA (CAP MOTOR DRIVER)
UNREG GND (CAP)
COUNTER MEMORY S3212
COUNTER RESET S3213
DATE/TIME S3214
TIME ADJ S3215
R3206 3.3K
R3207 6.8K
R3208 22K
EJECT S3101
START/STOP S3102
STANBY S3103
HOLD
READY
PW1 (POWER) CIRCUIT
TO CAMERA
CN305
UNREG GND
UNREG
CN101
EJECT SW
STBY SW
SW COM
START/STOP SW
VTR ON
GND
GND
VF 5V
S/S 5V
V/A 5V
CN301
A3001
DC-DC CONVERTER
NC
S/S 5V
V/A 5V
GND
VTR ON
UNREG
AMP
L3002 200UH
Q3002 2SB1121
R3001 470
D3001 SB05-05CP
C3003 33/10 SG
R3002 470
Q3001 2SC4211 AMP
L3003 200UH
Q3003 2SB1121
R3005 470
L3001 10UH
F3001 3.0A 125V
D3002 SB05-05CP
C3004 100/16 SG
R3004 470
Q3004 2SC4211 AMP
C3002 47/16 SG
C3001 470/10 HW
CN306
CN307
BATTERY
CN304
DC JACK (HEC3140-010010)
CN303
EARPHONE JACK
R3104 56
R3105 56
T3001 0.01
D3003 MA3082WA
EJECT SW FRAME GND
R8358 100K
R3201 100K
V/A GND
VF 5V
V/A 5V
UNREG
UNREG GND (DRUM)
UNREG GND (CAP)
R8357
CN102
EAR OUT
EAR GND
CAP VS
CAP PWM
DRUM VS
DRUM PWM
UNREG
BATT SENSE
UNREG GND
UNREG GND
CN302
BASIC MODEL
COMMON MODEL
CIRCUIT NAME
PCB NAME
SCH CODE
FINISH DATE
92.4.9
DRAW ID
PLOT DATE 92.4.9

CP1 (VIDEO) CIRCUIT


CN104
AUDIO GND 1
AUDIO OUT 2
VIDEO GND 3
VIDEO OUT 4
+B 5
GND 6
CN109
GND 1
RF SW1 2
PB RF 3
NOT USED 1
RF SW1 2
PB RF 3
RF SW2 4
FO 5
CCD ON 6
NOT USED 7
NOT USED 8
C IN 9
Y, Y+C IN 10
GND 11
GND 12
S/S 5V 13
TEST 14
VF HD 15
VF VIDEO 16
NOT USED 17
NOT USED 18
NOT USED 19
NOT USED 20
AUDIO IN 21
NOT USED 22
CN105
CAMERA CS 1
CAMERA CS 2
SCK 3
SO 4
CAMERA ON 5
CAMERA C 6
C GND 7
CAMERA Y 8
Y GND 9
Y GND 10
CN108
VF HD 5
VF 5V 4
VF VIDEO 3
GND 2
V/A 5V 1
CURRENT LIMITER
JOG HD DELAY
8.5H AFM AFF TRAP
SOFT LIMITER
JOG & DOP SW
NP/NE SW
SP/LP SW
PEAKING AMP
LPF
CG MIX
VF BUF
CG LIMITER
SYNC INSERT
IC141 NJM2235M CG REC SW
BUS DECODER
CXA1207R
IC101 CXA1207AR Y PROCESS
IC121 CXA1208R CHROMA PROCESS
CHECKER LAND
APPROVALS
CHKD
CHKD
DESIGN
DRAWN
TRACE
MK
DATE
REV NO
REVISION
SUB
SEC

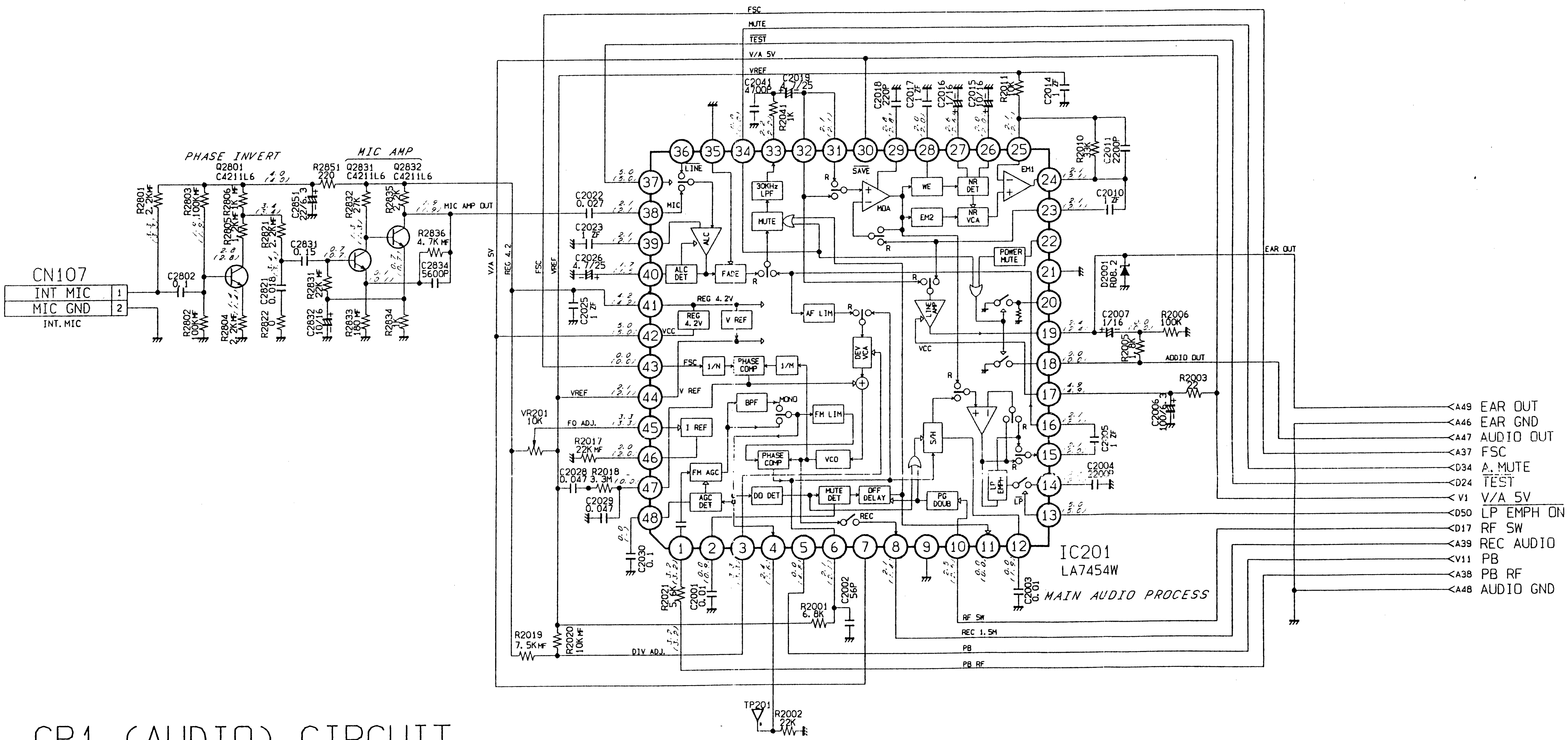

4
5
6
7
8
9
10
11
12
CG MIX
VF BUF
CG LIMITER
Q1451 2SA1622M6
Q1453 2SA1622M6
Q1454 2SA1622M6
Q1461 2SA1622M6 BUF
Q1462 2SC4211L6 BUF
Q1463 2SC4396 SYNC INSERT
IC141 NJM2235M CG REC SW
Q1401 2SB815B7 CCD 5V REG
IC111 CXL1506M 2H DELAY
AUTO BIAS CIRCUIT
CLAMP CIRCUIT
DRIVER
TIMING
PLL
CCD
BIAS CIRCUIT
OUT CIRCUIT
IC191 CXA1202R REC/PB
Q1101 2SC4211L6 EQ
Q1102 2SC4211L6
Q1103 2SC4211L6 EQ
Q1104 2SC4211L6 BUF
Q1105 2SC4211L6 EQ
Q1106 2SC4211L6
Q1107 2SC4211L6 BUF
LPF
Q1004 DCC115 JOG GATE MIX
Q1093 2SC4396 DOP SW
Q1094 2SC4396 JOG SW
Q1060 2SC4396 MUTE SW
Q1002 FC108 JOG SW
TP110 CHECKER LAND
TP135 CHECKER LAND
TP136 CHECKER LAND
TP131 CHECKER LAND
BUS DECODER
CXA1207R
IC101 CXA1207AR Y PROCESS
TP106 CAN
TP107 CAN
TP102
TP101
TP103
TP108 CAN
Q1020 2SC4211L6 EQ
Q1021 2SA1622M6
Q1022 2SC4211L6 BUF
Q1023 DTC144WU PB SW
Q1024 2SC4211L6 AMP
Q1025 2SC4211L6 BUF
Q1026 2SA1676 PB SW
Q1028 2SA1676 PB SW
Q1326 2SA1676 NP/ME SW
Q1325 2SA1676 JOG & DOP SW
Q1073 2SC4211L6
Q1074 2SC4211L6 BUF
Q1362 2SC4211L6
CXA1208R
IC121 CXA1208R CHROMA PROCESS
T1201
T1202
X1201
X1202
TP121 CHECKER LAND
TP123 CHECKER LAND
TP124 CHECKER LAND
TP125 CHECKER LAND
TP143 CAN
Q1201 2SC4211L6 BUF
Q1204 2SA1676 JOG & DOP SW
Q1410 2SB815B7 PB 5V REG
Q1412 2SB815B7 STBY 5V REG
ACC
CHROMA EMPH
BURST EMPH
REC CONV
ACK
BURST DEEM
CHROMA DEEM
CNUTE
ACC CONT
ACK DET
APC DET
VCO
CAR CONV
A71A
A70
A56
A50
A20
A28
A27
A26
D29C
D62A
D25A
D23D
D18A
D41B
D66
A10
A80
A81
D60A
A83
D63
V1
D41
V11
D22C
D62A
D29C
A82
D25A
D64
A43B
D17B
D66
D60A
D23D
D13
A91
A40
A90
V16
V17
D19
D11
A15
D12
D5
V11
D22C
D3

CP1 (VIDEO) CIRCUIT


9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
L
IC111
CXL1506M
2H DELAY
AUTO BIAS CIRCUIT
CLAMP CIRCUIT
CCD
DRIVER
TIMING
PLL
Q1401 2SB815B7 CCD 5V REG
Q1104 2SC4211L6 BUF
Q1103 2SC4211L6 EQ
Q1102 2SC4211L6
Q1101 2SC4211L6 EQ
Q1107 2SC4211L6 BUF
Q1106 2SC4211L6
Q1105 2SC4211L6 EQ
LPF
Q1020 2SC4211L6 EQ
Q1021 2SA1622M6
Q1022 2SC4211L6 BUF
Q1023 DTC144WU PB SW
Q1024 2SC4211L6 AMP
Q1025 2SC4211L6 BUF
Q1026 2SA1676 PB SW
Q1028 2SA1676 PB SW
TP101
TP102
TP103
TP125 CHECKER LAND
Q1410 2SB815B7 PB 5V REG
Q1412 2SB815B7 STBY 5V REG
Q1802 2SA1622M6
Q1801 2SA1622M6
FE OSC
TP181 CAN
IC191
CXA1202R
REC/PB AMP
CONTROL LOGIC
BPF
TP191
TP133 CHECKER LAND
TP134 CHECKER LAND
IC161
CXA1203M
PAL JOG
Q1605 2SA1676 JOG SW
Q1606 2SA1676 JOG SW
Q1602 2SC4211L6 AMP
Q1604 2SC4211L6 BUF
Q1601 2SC4396 DOP SW
TP161 CHECKER LAND
TP162 CHECKER LAND
V18
V19
V16
V17
D41B
D19
D11
A15
D12
D13
A91
A40
A90
A92
A15
A14
A40
A39
A37
A83A
D23D
A80
A81
D50
D29C
D30
A82
D16
A43B
D60A
J1003
1 GND
2 FE (X)
3 FE (Y)
4 GND
5 CH B (X)
6 CH B (Y)
7 GND
8 CH A (Y)
9 CH A (X)
D16 FEP
D11 REC CH-A
D12 REC CH-B
D13 POWER SAVE
A14 REC PILOT
D17B RF SW
D41B MP/ME
D18 V.MUTE
D25A JOG VD
A20 CG REC DATA
A50 CG REC BLANK
A26 CG DISP DATA
A27 OS DISP BLANK
A28 OS DISP DATA
A38B PB RF
D22C SP/LP
D23D JOG H
D24 TEST
D29C PB
D30 STBY
A43B COMP SYNC
A46 EP GND
A49 EP OUT
D34 A.MUTE
A52 VIDEO CS
D35 SO
A54 SCK
A33A VF HD
V1 V/A 5V
V20 VF 5V
A37 FSC
A38B PB RF AUDIO
A39 REC AUDIO
D17B RF SW
V11 PB
D24 TEST
D50 LP EMPH ON
A49 EAR OUT
A46 EAR GND
D34 A.MUTE
V1 V/A 5V
A47 AUDIO OUT
A48 AUDIO GND
A55 C IN
A56 Y IN
S/S 5V S/S 5V

BASIC MODEL		CIRCUIT NAME		
COMMON MODEL		PCB NAME	SCH CODE	
		FINISH DATE		
		DRAW ID		PLOT DATE 92. 4. 9

CP1 (AUDIO) CIRCUIT

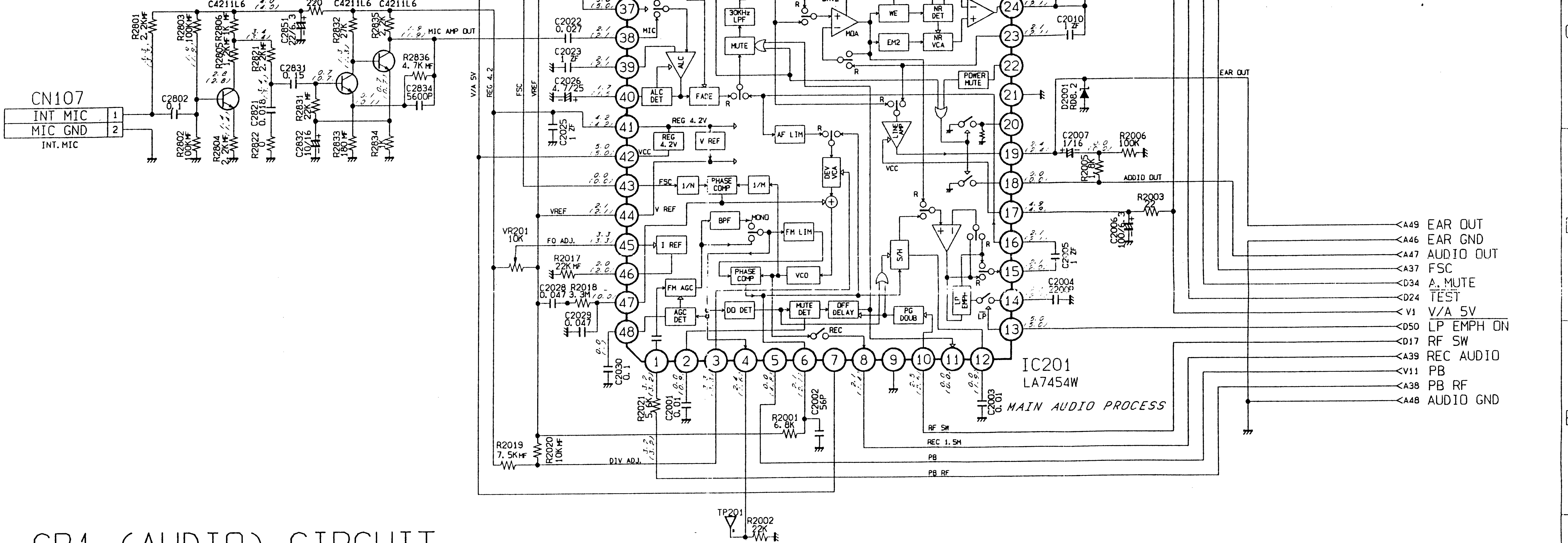

CN107
INT MIC 1
MIC GND 2
INT. MIC
PHASE INVERT
Q2801 C4211L6
MIC AMP
Q2831 C4211L6
Q2832 C4211L6
R2801 2.2K MF
R2802 100K MF
R2803 100K MF
R2804 2.2K MF
R2805
R2806 1K MF
C2802 0.1
R2821 2.2K MF
C2821 0.018
R2822 0
R2851 220
C2851 22/6.3
C2831 0.15
R2831 22K MF
C2832 10/16
R2832 27K
R2833 180
R2834 1K
R2835 2.2K
R2836 4.7K MF
C2834 5600P
MIC AMP OUT
V/A 5V
REG 4.2
FSC
VREF
FSC
MUTE
TEST
V/A 5V
VREF
C2041 4700P
C2019 4.7/25
R2041 1K
C2018 220P
C2017 1 ZF
C2016 4.7/16
C2015 10/16
R2011 10K
C2014 1 ZF
R2010 33K
C2011 2200P
C2010 1 ZF
C2022 0.027
C2023 1 ZF
C2026 4.7/25
C2025 1 ZF
LINE
MIC
ALC
ALC DET
FADE
REG 4.2V
V REF
VCC
30KHz LPF
MUTE
SAVE
MOA
WE
NR DET
EM2
NR VCA
EM1
POWER MUTE
LINE AMP
AF LIM
DEV VCA
1/N
PHASE COMP
1/M
BPF
MONO
FM LIM
I REF
PHASE COMP
VCO
FM AGC
AGC DET
DO DET
MUTE DET
OFF DELAY
PG DOUB
S/H
LP EMPH
LP
REC
VR201 10K
FO ADJ.
R2017 22K MF
C2028 0.047
R2018 3.3M
C2029 0.047
C2030 0.1
R2019 7.5K MF
R2020 10K MF
DIV ADJ.
R2021 5.6K
C2001 0.01
R2001 6.8K
C2002 56P
C2003 0.01
TP201
R2002 22K
D2001 RD8.2
EAR OUT
C2007 1/16
R2006 100K
R2005 1.8K
AUDIO OUT
R2003 22
C2006 100/6.3
C2005 1 ZF
C2004 2200P
RF SW
REC 1.5M
PB
PB RF
IC201
LA7454W
MAIN AUDIO PROCESS
A49 EAR OUT
A46 EAR GND
A47 AUDIO OUT
A37 FSC
D34 A. MUTE
D24 TEST
V1 V/A 5V
D50 LP EMPH ON
D17 RF SW
A39 REC AUDIO
V11 PB
A38 PB RF
A48 AUDIO GND

APPROVALS	
CHKD	
CHKD	
DESIGN	
DRAWN	

MK	DATE	REV NO	REVISION	SUB	SEC

CP1 (AUDIO) CIRCUIT

BASIC MODEL	CIRCUIT NAME		
COMMON MODEL	PCB NAME	SCH CODE	
	FINISH DATE		
	DRAW ID		PLOT DATE


CN107
INT MIC 1
MIC GND 2
INT. MIC
R2801 2.2K
R2803 100K
R2805 1K
R2806 1K
C4211L6
220
C2802 0.1
R2802 100K
R2804 2.2K
R2822 0
C2821 0.018
R2821 2.2K
C2851 22/6.3
C2831 0.15
R2831 22K
C2832 10/16
R2832 2.7K
R2833 180
R2835 2.2K
R2834 1K
R2836 4.7K
C2834 5600P
MIC AMP OUT
V/A 5V
REG 4.2
FSC
VREF
C2022 0.027
C2023 1
C2026 4.7/25
C2025 1
MIC
ALC
ALC DET
FADE
REG 4.2V
V REF
FSC
1/N
PHASE COMP
1/M
AF LIM
DEV VCA
VREF
V REF
VR201 10K
FO ADJ.
I REF
BPF
MONO
FM LIM
R2017 22K
PHASE COMP
VCO
C2028 0.047
R2018 3.3M
FM AGC
AGC DET
DO DET
MUTE DET
OFF DELAY
PG DOUB
REC
S/H
C2029 0.047
30KHz LPF
MUTE
WE
NR DET
EM2
NR VCA
HOA
POWER MUTE
LINE AMP
VCC
R
LP
EMPH
C2010 1
D2001 RD6.2
EAR OUT
C2007 1/16
R2006 100K
R2005 1.8K
AUDIO OUT
R2003 22
C2006 100/6.3
C2005 1
C2004 2200P
C2030 0.1
R2021 5.6K
C2001 0.01
R2001 6.8K
C2002 56P
C2003 0.01
IC201
LA7454W
MAIN AUDIO PROCESS
R2019 7.5K
R2020 10K
DIV ADJ.
RF SW
REC 1.5M
PB
PB RF
TP201
R2002 22K
A49 EAR OUT
A46 EAR GND
A47 AUDIO OUT
A37 FSC
D34 A.MUTE
D24 TEST
V1 V/A 5V
D50 LP EMPH ON
D17 RF SW
A39 REC AUDIO
V11 PB
A38 PB RF
A48 AUDIO GND

CP1 (AUDIO) CIRCUIT

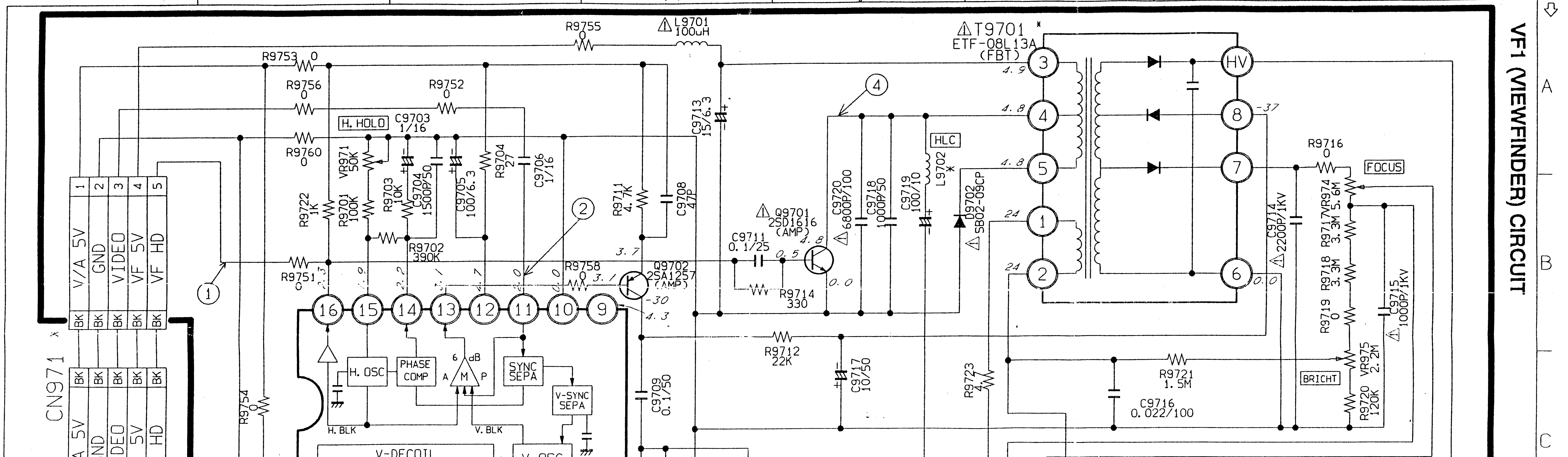
APPROVALS
CHKD
CHKD
DESIGN
DRAWN
TRACE

MK	DATE	REV NO	REVISION	SUB	SEC

BASIC MODEL
COMMON MODEL
CIRCUIT NAME
PCB NAME
SCH CODE
FINISH DATE
DRAW ID
PLOT DATE
92.4.9

1 2 3 4 △5 6

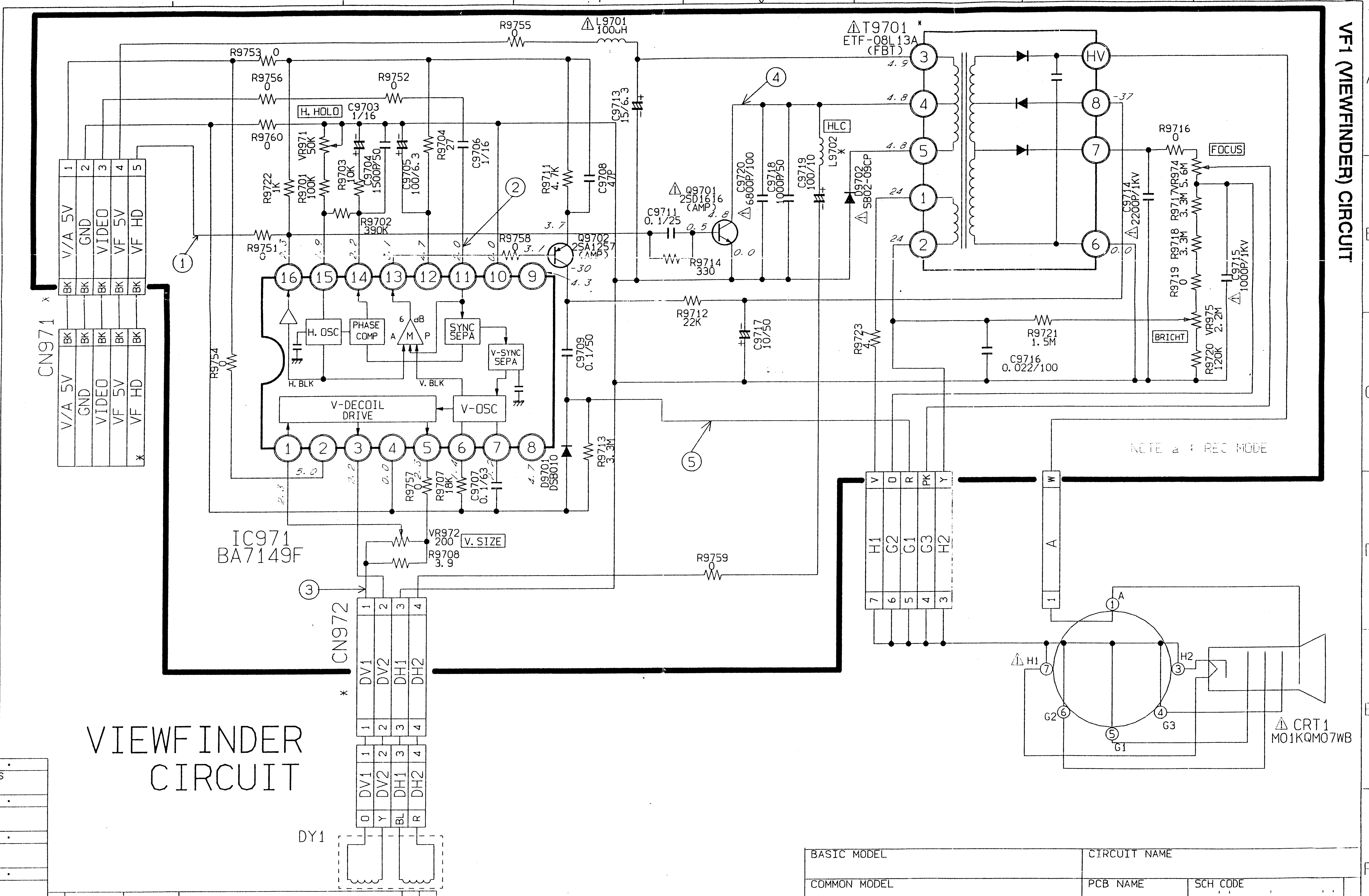
4 ▽5 6 7 8 ZONE



VF1 (VIEWFINDER) CIRCUIT

R9755
L9701 100uH
T9701
ETF-08L13A (FBT)
HV
R9753 0
R9756 0
R9752 0
H. HOLD
C9703 1/16
R9760 0
VR971 50K
C9713 15/6.3
④
HLC
C9704 1500P/50
C9705 100/6.3
R9704 27
C9706 1/16
R9722 1K
R9701 100K
R9703 10K
R9711 4.7K
C9708 47P
Q9701 2SD1616 (AMP)
C9720 6800P/100
C9718 1000P/50
C9719 100/10
L9702
D9702 SB02-09CP
R9716 0
FOCUS
VR974 3.3M
R9717 5.6M
C9714 2200P/1KV
R9718 3.3M
R9719 0
C9715 1000P/1KV
②
R9702 390K
C9711 0.1/25
Q9702 2SA1257 (AMP)
R9758 0
R9714 330
R9751 0
①
V/A 5V
GND
VIDEO
VF 5V
VF HD
BK
CN971
H. OSC
PHASE COMP
SYNC SEPA
V-SYNC SEPA
M
6dB
A
P
H. BLK
V. BLK
V-DECOU
V. OSC
R9754
C9709 0.1/50
R9712 22K
C9717 10/50
R9723 4.7
R9721 1.5M
C9716 0.022/100
BRICHT
VR975 2.2M
R9720 120K

VF1 (VIEWFINDER) CIRCUIT


ZONE
4
5
6
7
8
A
B
C
D
E
F
R9755 0
L9701 100uH
T9701 ETF-08L13A (FBT)
R9753 0
R9756 0
R9752 0
R9760 0
H. HOLD
C9703 1/16
VR971 50K
C9704 1500P/50
C9705 100/6.3
R9704 27
C9706 1/16
C9713 15/6.3
R9722 1K
R9701 100K
R9703 10K
R9702 390K
R9711 4.7K
C9708 47P
R9751 0
R9758 0
Q9702 2SA1257 (AMP)
Q9701 2SD1616 (AMP)
C9711 0.1/25
R9714 330
C9720 6800P/100
C9718 1000P/50
C9719 100/10
L9702
HLC
D9702 SB02-09CP
HV
R9716 0
FOCUS
C9714 2200P/1KV
R9717 3.3M
VR974 5.6M
R9718 3.3M
R9719 0
C9715 1000P/1KV
VR975 2.2M
R9720 120K
BRIGHT
R9721 1.5M
C9716 0.022/100
R9723 4.7
R9712 22K
C9717 10/50
C9709 0.1/50
R9713 3.3M
D9701 DSB010
R9754 0
CN971
V/A 5V
GND
VIDEO
VF 5V
VF HD
BK
H. OSC
PHASE COMP
SYNC SEPA
V-SYNC SEPA
6dB
A M P
H. BLK
V. BLK
V-DECOIL DRIVE
V-OSC
R9757 0
R9707 18K
C9707 0.1/63
IC971 BA7149F
VR972 200
V. SIZE
R9708 3.9
R9759 0
CN972
DV1
DV2
DH1
DH2
O
Y
BL
R
DY1
V O R PK Y
H1 G2 G1 G3 H2
W
A
CRT1 M01KQM07WB
G1
G2
G3
H1
H2
NOTE a : REC MODE
①
②
③
④
⑤
4.9
4.8
24
-37
3.7
0.5
4.8
0.0
-30
4.3
5.0
2.3
2.2
0.0
4.7

VIEWFINDER CIRCUIT

APPROVALS

CHKD

CHKD

DESIGN

DRAWN

TRACE

MK	DATE	REV NO	REVISION	SUB	SEC

BASIC MODEL

COMMON MODEL

CIRCUIT NAME

PCB NAME

SCH CODE

FINISH DATE

DRAW ID

PLOT DATE 92.4.9

CA1/TC1 BOARD (SIDE A)

J9001

12	VSUB
13	ID
14	PGL
15	GND
16	AGC. DET
17	CAMERA ON
18	IRIS. DET
19	GND
20	GND
21	CAMERA Y
22	CAMERA C

TO REMOCON

CN911

1	UNREG
2	UNREG GND

TO PW1

CN932

1	Z. P REF
2	Z. P GND
3	Z. P 5V
4	ZOOM-
5	ZOOM+
6	B
7	A
8	B
9	A
10	FS GND
11	DI
12	DO
13	SK
14	CS
15	FS 5V
16	SENCS
17	DRIVE+
18	DRIVE-
19	CONT+
20	CONT-

TO LENS

CM913

1	CAM CS
2	CAM CS
3	SCK
4	SO
5	CAM ON
6	CAM C
7	C GND
8	CAM Y
9	Y GND
10	Y GND

TO VD1

CN912

1	GND
2	GND
3	CAMERA ON
4	5V(MAIN)
5	5V(SUB)
6	15V
7	-9V
8	UNREG
9	UNREG
10	-9V
11	15V
12	5V(SUB)
13	5V(MAIN)
14	CAMERA ON
15	GND
16	GND

TO DDC

CN914

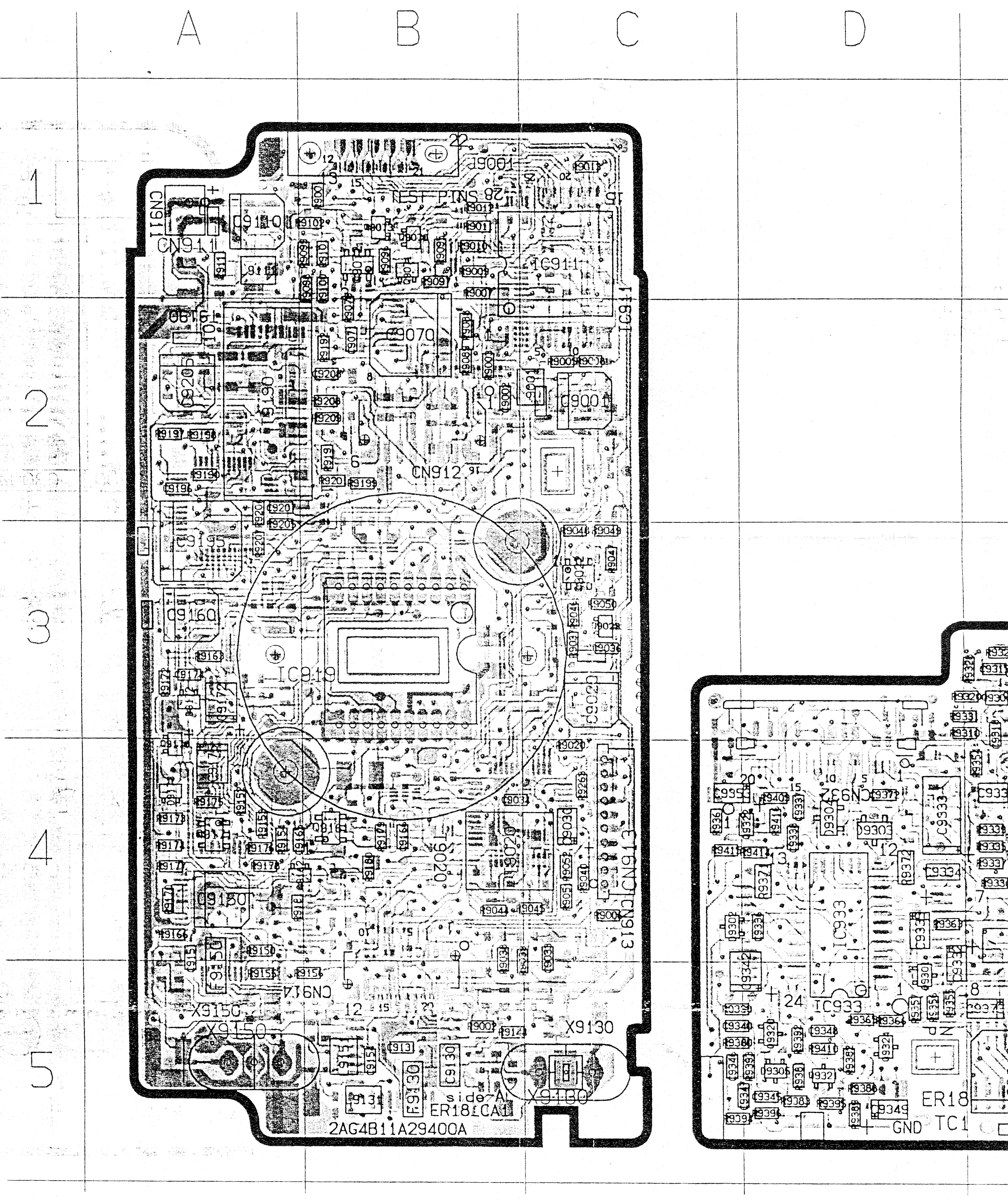
1	SO
2	SCK
3	CAMERA CS
4	CAM ADJ. 2
5	CAM ADJ. 1
6	r
7	R GAIN
8	B GAIN
9	GAIN UP
10	15V
11	UNREG
12	ES
13	GND
14	IRIS Y
15	AGC REF
16	GND
17	R - Y
18	B - Y
19	IRIS GAIN
20	+5V(SUB)
21	C. BLK
22	4FSC

TO TC1

CN931

1	SO
2	SCK
3	CAMERA CS
4	CAM ADJ. 2
5	CAM ADJ. 1
6	r
7	R GAIN
8	B GAIN
9	GAIN UP
10	+15V
11	UNREG
12	ES
13	GND
14	IRIS Y
15	AGC REF
16	GND
17	R - Y
18	B - Y
19	IRIS GAIN
20	+5V(SUB)
21	C. BLK
22	4FSC

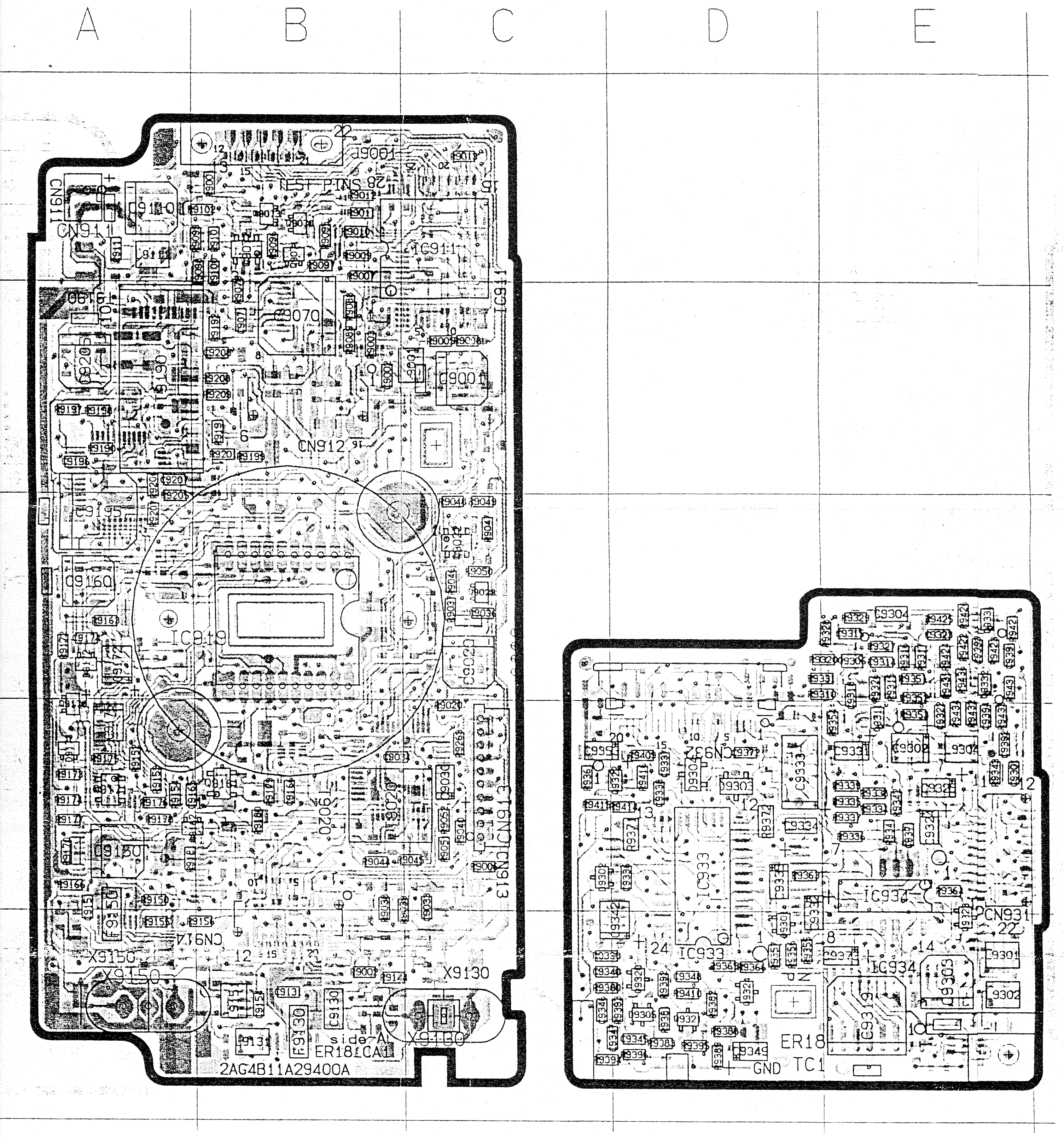
TO CA1

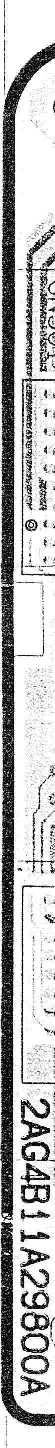


LEADLESS COMPONENT PARTS LOCATION GUIDE
CA1/TC1 BOARD (SIDE A)

C9001	ELECT	22U	M	6.3V	[C2]
C9002	CERAMIC	0.01U	K	25V	[B2]
C9020	ELECT	22U	M	6.3V	[C3]
C9034	CERAMIC	10P	D	50V	[B4]
C9070	ELECT	100U	M	6.3V	[B2]
C9071	CERAMIC	0.022U	Z	25V	[B2]
C9110	ELECT	22U	M	6.3V	[A1]
C9111	CERAMIC	0.022U	Z	25V	[A1]
C9130	CERAMIC	1U	Z	25V	[B5]
C9131	CERAMIC	0.01U	K	25V	[B5]
C9150	ELECT	22U	M	6.3V	[A4]
C9151	CERAMIC	0.1U	Z	25V	[A4]
C9154	CERAMIC	18P	J	50V	[B5]
C9160	ELECT	22U	M	6.3V	[A3]
C9165	CERAMIC	1000P	K	50V	[A4]
C9166	CERAMIC	1000P	K	50V	[B4]
C9172	TA-SOLID	1U	M	35V	[A3]
C9174	CERAMIC	0.1U	Z	25V	[A3]
C9175	TA-SOLID	1U	M	35V	[A4]
C9195	ELECT	100U	M	6.3V	[A3]
C9196	CERAMIC	0.01U	K	25V	[A2]
C9205	ELECT	22U	M	6.3V	[A2]
C9207	CERAMIC	0.1U	Z	25V	[A2]
C9208	CERAMIC	0.1U	Z	25V	[B2]
C9301	CERAMIC	0.1U	Z	25V	[E4]
C9302	TA-SOLID	3.3U	M	20V	[E4]
C9303	ELECT	22U	M	6.3V	[E5]
C9304	CERAMIC	0.1U	Z	25V	[E3]
C9314	CERAMIC	0.1U	Z	25V	[E3]
C9315	CERAMIC	0.1U	Z	25V	[E3]
C9318	CERAMIC	0.01U	K	25V	[E3]
C9319	ELECT	47U	M	6.3V	[E5]
C9322	CERAMIC	0.1U	Z	25V	[E4]
C9323	CERAMIC	0.1U	Z	25V	[E3]
C9324	TA-SOLID	6.8U	M	6.3V	[E4]
C9325	TA-SOLID	3.3U	M	6.3V	[E4]
C9331	TA-SOLID	4.7U	M	4V	[E4]
C9332	TA-SOLID	3.3U	M	6.3V	[D5]
C9333	TA-SOLID	15U	M	16V	[D4]
C9334	CERAMIC	0.1U	Z	25V	[D4]
C9335	TA-SOLID	6.8U	M	6.3V	[D4]
C9336	CERAMIC	3300P	K	50V	[D4]
C9337	CERAMIC	4700P	K	50V	[D4]
C9338	CERAMIC	4700P	K	50V	[D4]
C9340	CERAMIC	0.1U	Z	25V	[C5]
C9342	TA-SOLID	4.7U	M	10V	[D5]
C9345	CERAMIC	0.1U	Z	25V	[D5]
C9346	CERAMIC	0.1U	Z	25V	[C5]
C9347	CERAMIC	0.1U	Z	25V	[C5]
C9348	CERAMIC	0.1U	Z	25V	[D5]
C9349	TA-SOLID	3.3U	M	6.3V	[D5]
C9353	TA-SOLID	4.7U	M	4V	[C4]
C9371	CERAMIC	0.1U	Z	25V	[E4]
C9372	CERAMIC	0.1U	Z	25V	[D4]
C9373	TA-SOLID	3.3U	M	6.3V	[E5]
C9391	CERAMIC	0.1U	Z	25V	[E3]
C9392	CERAMIC	0.1U	Z	25V	[E4]
C9393	CERAMIC	0.1U	Z	25V	[E3]
C9394	CERAMIC	0.1U	Z	25V	[E4]
D9172	DIODE MA143A-TX				[A3]
D9173	DIODE MA141WA-TX				[A4]
D9301	DIODE MA141K-TX				[D5]
D9302	DIODE MA141K-TX				[C4]
D9303	DIODE MA721WA-TX				[D4]
D9304	DIODE MA721WA-TX				[D4]
D9305	DIODE MA141WK-TX				[D5]
IC911	IC MSM6524GS-VKR2				[C1]
IC933	IC TB6504F-EL				[D4]
IC934	IC MC145053D-R2				[E4]
L9001	COIL,INDUCTOR	10U	K		[C2]
L9111	COIL,INDUCTOR	10U	K		[A1]
L9131	COIL,INDUCTOR	10U	K		[B5]
L9151	COIL,INDUCTOR	2.7U	J		[B5]
L9301	COIL,INDUCTOR	10U	K		[E5]
L9302	COIL,INDUCTOR	22U	K		[E5]
L9304	COIL,INDUCTOR	10U	K		[E4]
Q9022	TR XN5501-TW				[C3]
Q9023	TR 2SB1218A-R-TX				[C3]
Q9070	TR 2SB1218A-R-TX				[B1]
Q9071	TR 2SD1819A-R-TX				[B1]
Q9072	TR XN5501-TW				[B1]
Q9073	TR 2SB1218A-R-TX				[B1]
Q9161	TR FMS1-T99				[B4]
Q9162	TR 2SB1218A-R-TX				[A4]
Q9170	TR 2SD1819A-R-TX				[A4]
Q9171	TR XN5501-TW				[A4]
Q9306	TR XP4501-TX				[E3]
Q9311	TR XP4601-TX				[E4]
Q9320	TR 2SD1819A-R-TX				[D5]
Q9321	TR 2SB1218A-R-TX				[D5]
Q9322	TR XP4601-TX				[D4]
Q9323	TR UN5213-TX				[E5]
Q9324	TR 2SD1819A-R-TX				[D5]
Q9331	TR XP4501-TX				[E3]
Q9332	TR XP4501-TX				[E3]
R9001	MT-GLAZE	2.2K	JA	1/16W	[B1]
R9002	MT-GLAZE	33K	JA	1/16W	[B5]
R9003	MT-GLAZE	27K	JA	1/16W	[B2]
R9005	MT-GLAZE	47K	JA	1/16W	[C2]
R9006	MT-GLAZE	1K	JA	1/16W	[C4]
R9007	MT-GLAZE	18K	JA	1/16W	[B1]
R9008	MT-GLAZE	27K	JA	1/16W	[C2]
R9009	MT-GLAZE	27K	JA	1/16W	[B1]
R9010	MT-GLAZE	39K	JA	1/16W	[B1]
R9011	MT-GLAZE	27K	JA	1/16W	[B1]
R9012	MT-GLAZE	47K	JA	1/16W	[B1]
R9013	MT-GLAZE	47K	JA	1/16W	[C1]
R9020	MT-GLAZE	2.2	JA	1/16W	[C4]
R9036	MT-GLAZE	10K	JA	1/16W	[C3]
R9037	MT-GLAZE	0.000	ZA	1/16W	[C3]
R9038	MT-GLAZE	18K	JA	1/16W	[B4]
R9039	MT-GLAZE	27K	JA	1/16W	[B5]
R9040	MT-GLAZE	1K	JA	1/16W	[C4]
R9044	MT-GLAZE	33K	JA	1/16W	[B4]
R9045	MT-GLAZE	18K	JA	1/16W	[C4]
R9046	MT-GLAZE	10K	JA	1/16W	[C3]
R9047	MT-GLAZE	27K	JA	1/16W	[C3]
R9048	MT-GLAZE	4.7K	JA	1/16W	[C3]
R9049	MT-GLAZE	100K	JA	1/16W	[C3]
R9050	MT-GLAZE	10K	JA	1/16W	[C3]
R9051	MT-GLAZE	0.000	ZA	1/16W	[C4]
R9070	MT-GLAZE	3.3	JA	1/16W	[B2]
R9088	MT-GLAZE	22K	JA	1/16W	[B2]
R9089	MT-GLAZE	22K	JA	1/16W	[B2]
R9096	MT-GLAZE	1.5K	JA	1/16W	[B1]
R9097	MT-GALZE	3.3K	JA	1/16W	[B1]
R9098	MT-GLAZE	10K	JA	1/16W	[B1]
R9099	MT-GLAZE	15K	JA	1/16W	[B1]
R9100	MT-GLAZE	10K	JA	1/16W	[B1]
R9102	MT-GLAZE	10K	JA	1/16W	[B1]
R9150	MT-GLAZE	2.2	JA	1/16W	[A4]
R9152	MT-GLAZE	0.000	ZA	1/16W	[A4]
R9153	MT-GLAZE	0.000	ZA	1/16W	[A4]
R9154	MT-GLAZE	0.000	ZA	1/16W	[A4]
R9155	MT-GLAZE	2.2K	JA	1/16W	[A5]
R9156	MT-GLAZE	2.2K	JA	1/16W	[B5]
R9163	MT-GLAZE	1.2K	JA	1/16W	[A3]
R9170	MT-GLAZE	0.000	ZA	1/16W	[A4]
R9172	MT-GLAZE	270K	JA	1/16W	[A3]
R9173	MT-GLAZE	68K	JA	1/16W	[A4]
R9174	MT-GLAZE	10K	JA	1/16W	[A4]
R9175	MT-GLAZE	1M	JA	1/16W	[A4]
R9176	MT-GLAZE	10K	JA	1/16W	[A4]
R9177	MT-GLAZE	22K	JA	1/16W	[A4]
R9179	MT-GLAZE	100K	JA	1/16W	[B4]
R9180	MT-GLAZE	10K	JA	1/16W	[B4]
R9181	MT-GLAZE	10K	JA	1/16W	[A4]
R9190	MT-GLAZE	3.3	JA	1/16W	[A2]
R9191	MT-GLAZE	1K	JA	1/16W	[B2]
R9192	MT-GLAZE	1K	JA	1/16W	[B2]
R9197	MT-GLAZE	39K	JA	1/16W	[A2]
R9198	MT-GLAZE	18K	JA	1/16W	[A2]
R9199	MT-GLAZE	27K	JA	1/16W	[B2]
R9201	MT-GLAZE	39K	JA	1/16W	[B2]
R9205	MT-GLAZE	330K	JA	1/16W	[A3]
R9206	MT-GLAZE	12K	JA	1/16W	[A2]
R9207	MT-GLAZE	47K	JA	1/16W	[A3]
R9208	MT-GLAZE	39K	JA	1/16W	[B2]
R9209	MT-GLAZE	8.2K	JA	1/16W	[B2]
R9263	MT-GLAZE	0.000	ZA	1/16W	[C4]
R9315	MT-GLAZE	2.7K	JA	1/16W	[E3]
R9316	MT-GLAZE	1K	JA	1/16W	[E3]
R9317	MT-GLAZE	1K	JA	1/16W	[E3]
R9320	MT-GLAZE	560	JA	1/16W	[E3]
R9326	MT-GLAZE	2.2K	JA	1/16W	[E3]
R9327	MT-GLAZE	1K	JA	1/16W	[E3]
R9328	MT-GLAZE	5.6K	JA	1/16W	[E3]
R9329	MT-GLAZE	470	JA	1/16W	[E3]
R9331	MT-GLAZE	560	JA	1/16W	[D3]
R9334	MT-GLAZE	22K	JA	1/16W	[E4]
R9335	MT-GLAZE	22K	JA	1/16W	[E4]
R9336	MT-GLAZE	15K	JA	1/16W	[E4]
R9337	MT-GLA				
R9338	MT-GLA				
R9339	MT-GLA				
R9341	MT-GLA				
R9342	MT-GLA				
R9343	MT-GLA				
R9351	MT-GLA				
R9352	MT-GLA				
R9353	MT-GLA				
R9354	MT-GLA				
R9356	MT-GLA				
R9357	MT-GLA				
R9361	MT-GLA				
R9363	MT-GLA				
R9364	MT-GLA				
R9365	MT-GLA				
R9366	MT-GLA				
R9371	MT-GLA				
R9372	MT-GLA				
R9380	MT-GLA				
R9381	MT-GLA				
R9382	MT-GLA				
R9383	MT-GLA				
R9388	MT-GLA				
R9389	MT-GLA				

/TC1 BOARD (SIDE A)





25V	[C5]	R9003	MT-GLAZE	27K	JA	1/16W	[B2]
25V	[C5]	R9005	MT-GLAZE	47K	JA	1/16W	[C2]
25V	[D5]	R9006	MT-GLAZE	1K	JA	1/16W	[C4]
.3V	[D5]	R9007	MT-GLAZE	18K	JA	1/16W	[B1]
4V	[C4]	R9008	MT-GLAZE	27K	JA	1/16W	[C2]
25V	[E4]	R9009	MT-GLAZE	27K	JA	1/16W	[B1]
25V	[D4]	R9010	MT-GLAZE	39K	JA	1/16W	[B1]
.3V	[E5]	R9011	MT-GLAZE	27K	JA	1/16W	[B1]
25V	[E3]	R9012	MT-GLAZE	47K	JA	1/16W	[B1]
25V	[E4]	R9013	MT-GLAZE	47K	JA	1/16W	[C1]
25V	[E3]	R9020	MT-GLAZE	2.2	JA	1/16W	[C4]
25V	[E4]	R9036	MT-GLAZE	10K	JA	1/16W	[C3]
	[A3]	R9037	MT-GLAZE	0.000	ZA	1/16W	[C3]
	[A4]	R9038	MT-GLAZE	18K	JA	1/16W	[B4]
	[D5]	R9039	MT-GLAZE	27K	JA	1/16W	[B5]
	[C4]	R9040	MT-GLAZE	1K	JA	1/16W	[C4]
	[D4]	R9044	MT-GLAZE	33K	JA	1/16W	[B4]
	[D4]	R9045	MT-GLAZE	18K	JA	1/16W	[C4]
	[D5]	R9046	MT-GLAZE	10K	JA	1/16W	[C3]
	[C1]	R9047	MT-GLAZE	27K	JA	1/16W	[C3]
	[D4]	R9048	MT-GLAZE	4.7K	JA	1/16W	[C3]
	[E4]	R9049	MT-GLAZE	100K	JA	1/16W	[C3]
	[C2]	R9050	MT-GLAZE	10K	JA	1/16W	[C3]
	[A1]	R9051	MT-GLAZE	0.000	ZA	1/16W	[C4]
	[B5]	R9070	MT-GLAZE	3.3	JA	1/16W	[B2]
	[B5]	R9088	MT-GLAZE	22K	JA	1/16W	[B2]
	[E5]	R9089	MT-GLAZE	22K	JA	1/16W	[B2]
	[E5]	R9096	MT-GLAZE	1.5K	JA	1/16W	[B1]
	[E4]	R9097	MT-GALZE	3.3K	JA	1/16W	[B1]
	[C3]	R9098	MT-GLAZE	10K	JA	1/16W	[B1]
	[C3]	R9099	MT-GLAZE	15K	JA	1/16W	[B1]
	[B1]	R9100	MT-GLAZE	10K	JA	1/16W	[B1]
	[B1]	R9102	MT-GLAZE	10K	JA	1/16W	[B1]
	[B1]	R9150	MT-GLAZE	2.2	JA	1/16W	[A4]
	[B1]	R9152	MT-GLAZE	0.000	ZA	1/16W	[A4]
	[B4]	R9153	MT-GLAZE	0.000	ZA	1/16W	[A4]
	[A4]	R9154	MT-GLAZE	0.000	ZA	1/16W	[A4]
	[A4]	R9155	MT-GLAZE	2.2K	JA	1/16W	[A5]
	[A4]	R9156	MT-GLAZE	2.2K	JA	1/16W	[B5]
	[E3]	R9163	MT-GLAZE	1.2K	JA	1/16W	[A3]
	[E4]	R9170	MT-GLAZE	0.000	ZA	1/16W	[A4]
	[D5]	R9172	MT-GLAZE	270K	JA	1/16W	[A3]
	[D5]	R9173	MT-GLAZE	68K	JA	1/16W	[A4]
	[D4]	R9174	MT-GLAZE	10K	JA	1/16W	[A4]
	[E5]	R9175	MT-GLAZE	1M	JA	1/16W	[A4]
	[D5]	R9176	MT-GLAZE	10K	JA	1/16W	[A4]
	[E3]	R9177	MT-GLAZE	22K	JA	1/16W	[A4]
	[E3]	R9179	MT-GLAZE	100K	JA	1/16W	[B4]
/16W	[B1]	R9180	MT-GLAZE	10K	JA	1/16W	[B4]
/16W	[B5]	R9181	MT-GLAZE	10K	JA	1/16W	[A4]

R9190	MT-GLAZE	3.3	JA	1/16W	[A2]
R9191	MT-GLAZE	1K	JA	1/16W	[B2]
R9192	MT-GLAZE	1K	JA	1/16W	[B2]
R9197	MT-GLAZE	39K	JA	1/16W	[A2]
R9198	MT-GLAZE	18K	JA	1/16W	[A2]
R9199	MT-GLAZE	27K	JA	1/16W	[B2]
R9201	MT-GLAZE	39K	JA	1/16W	[B2]
R9205	MT-GLAZE	330K	JA	1/16W	[A3]
R9206	MT-GLAZE	12K	JA	1/16W	[A2]
R9207	MT-GLAZE	47K	JA	1/16W	[A3]
R9208	MT-GLAZE	39K	JA	1/16W	[B2]
R9209	MT-GLAZE	8.2K	JA	1/16W	[B2]
R9263	MT-GLAZE	0.000	ZA	1/16W	[C4]
R9315	MT-GLAZE	2.7K	JA	1/16W	[E3]
R9316	MT-GLAZE	1K	JA	1/16W	[E3]
R9317	MT-GLAZE	1K	JA	1/16W	[E3]
R9320	MT-GLAZE	560	JA	1/16W	[E3]
R9326	MT-GLAZE	2.2K	JA	1/16W	[E3]
R9327	MT-GLAZE	1K	JA	1/16W	[E3]
R9328	MT-GLAZE	5.6K	JA	1/16W	[E3]
R9329	MT-GLAZE	470	JA	1/16W	[E3]
R9331	MT-GLAZE	560	JA	1/16W	[D3]
R9334	MT-GLAZE	22K	JA	1/16W	[E4]
R9335	MT-GLAZE	22K	JA	1/16W	[E4]
R9336	MT-GLAZE	15K	JA	1/16W	[E4]

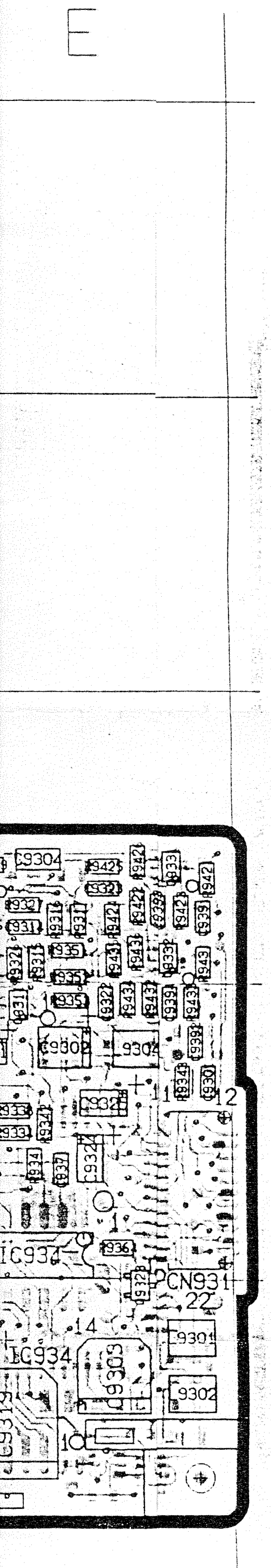
R9337	MT-GLAZE	22K	JA	1/16W	[E4]
R9338	MT-GLAZE	15K	JA	1/16W	[E4]
R9339	MT-GLAZE	22K	JA	1/16W	[E4]
R9341	MT-GLAZE	2.7K	JA	1/16W	[E4]
R9342	MT-GLAZE	2.7K	JA	1/16W	[E4]
R9343	MT-GLAZE	4.7	JA	1/16W	[E4]
R9351	MT-GLAZE	5.6K	JA	1/16W	[E3]
R9352	MT-GLAZE	6.8K	JA	1/16W	[E3]
R9353	MT-GLAZE	1K	JA	1/16W	[E4]
R9354	MT-GLAZE	1K	JA	1/16W	[E4]
R9356	MT-GLAZE	0.000	ZA	1/16W	[D5]
R9357	MT-GLAZE	22K	JA	1/16W	[D5]
R9361	MT-GLAZE	0.000	ZA	1/16W	[C4]
R9363	MT-GLAZE	560	JA	1/16W	[D4]
R9364	MT-GLAZE	47K	JA	1/16W	[E4]
R9365	MT-GLAZE	4.7K	JA	1/16W	[D5]
R9366	MT-GLAZE	10K	JA	1/16W	[D5]
R9371	MT-GLAZE	6.8	JA	1/10W	[D4]
R9372	MT-GLAZE	6.8	JA	1/10W	[D4]
R9380	MT-GLAZE	2.7K	JA	1/16W	[C5]
R9381	MT-GLAZE	10K	JA	1/16W	[D5]
R9382	MT-GLAZE	1K	JA	1/16W	[D5]
R9383	MT-GLAZE	1K	JA	1/16W	[D5]
R9388	MT-GLAZE	33K	JA	1/16W	[D5]
R9389	MT-GLAZE	68K	JA	1/16W	[D5]

R9390	MT-GLAZE	100K	JA	1/16W	[C5]
R9392	MT-GLAZE	33K	JA	1/16W	[D5]
R9393	MT-GLAZE	68K	JA	1/16W	[D5]
R9394	MT-GLAZE	270K	JA	1/16W	[C5]
R9395	MT-GLAZE	120K	JA	1/16W	[D5]
R9396	MT-GLAZE	180K	JA	1/16W	[D5]
R9409	MT-GLAZE	560	JA	1/16W	[D4]
R9414	MT-GLAZE	3.9K	JA	1/16W	[D4]
R9415	MT-GLAZE	82K	JA	1/16W	[C4]
R9416	MT-GLAZE	47K	JA	1/16W	[D4]
R9421	MT-GLAZE	2.7K	JA	1/16W	[E3]
R9422	MT-GALZE	3.3K	JA	1/16W	[E3]
R9423	MT-GLAZE	470	JA	1/16W	[E3]
R9424	MT-GLAZE	560	JA	1/16W	[E3]
R9425	MT-GLAZE	560	JA	1/16W	[E3]
R9426	MT-GLAZE	2.2K	JA	1/16W	[E3]
R9431	MT-GLAZE	1.5K	JA	1/16W	[E3]
R9432	MT-GALZE	3.3K	JA	1/16W	[E4]
R9433	MT-GLAZE	470	JA	1/16W	[E4]
R9434	MT-GLAZE	560	JA	1/16W	[E4]
R9435	MT-GLAZE	560	JA	1/16W	[E3]
R9436	MT-GLAZE	2.2K	JA	1/16W	[E3]
T9020	FILTER 4MHZ				[B4]
T9190	FILTER 4MHZ				[A2]

LEADLESS COMPONENT PAR
PW1 BOARD (SIDE A)

D3001	DIODE	SB05-05CP
D3002	DIODE	SB05-05CP
D3003	ZENER DIODE	MA3

PW1 BOARD (SIDE A)



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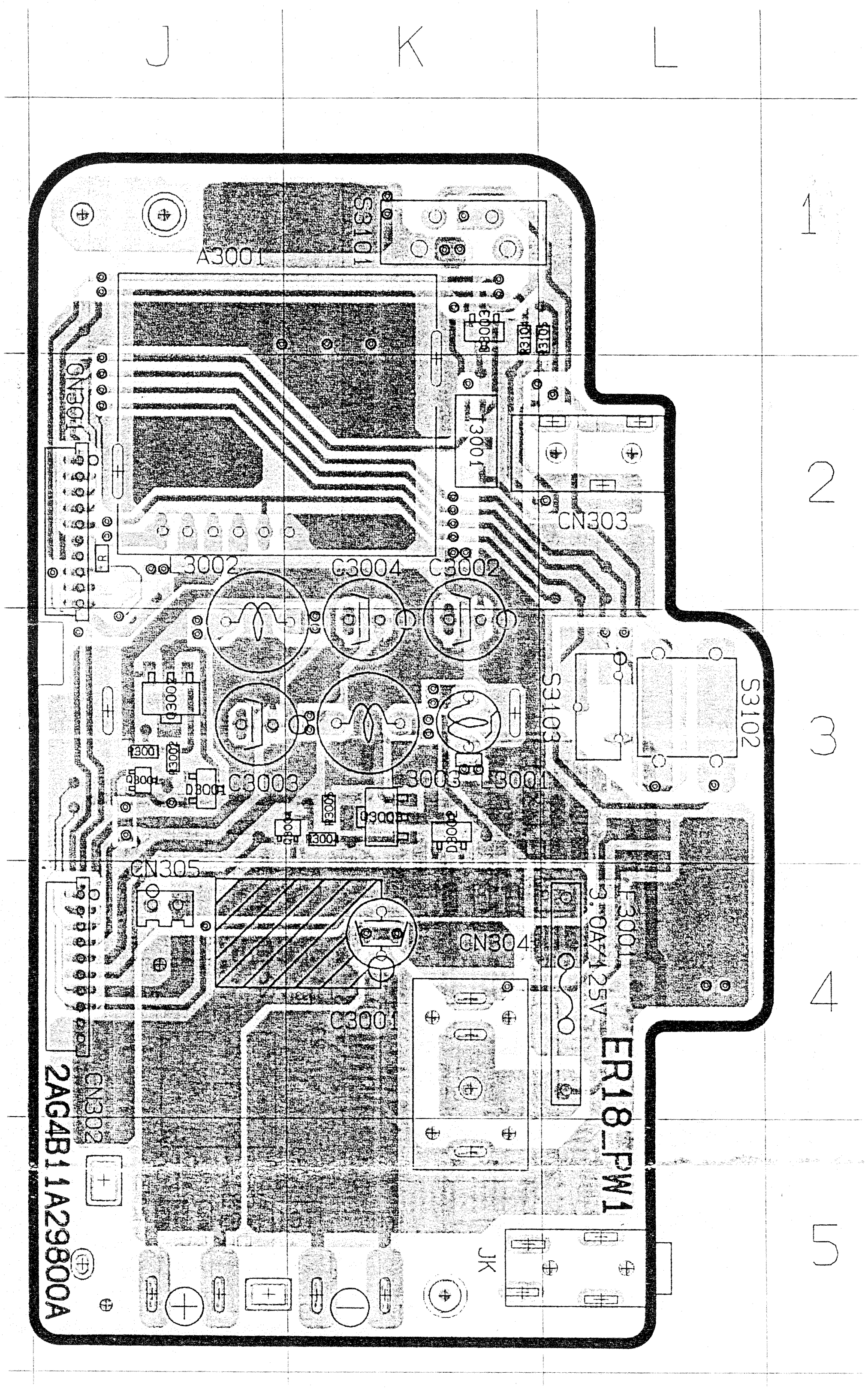
S9304
IC934
CN931
22
14
12
IC934
S9301
S9302



J
K
L
1
2
3
4
5
A3001
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CN301
T3001
CN303
L3002
C3004
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S3103
S3102
C3003
C3005
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Q3002
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D3001
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R3004
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CN304
F3001
3.0A/125V
C3001
CN302
ER18_PW1
2AG4B11A29800A
JK

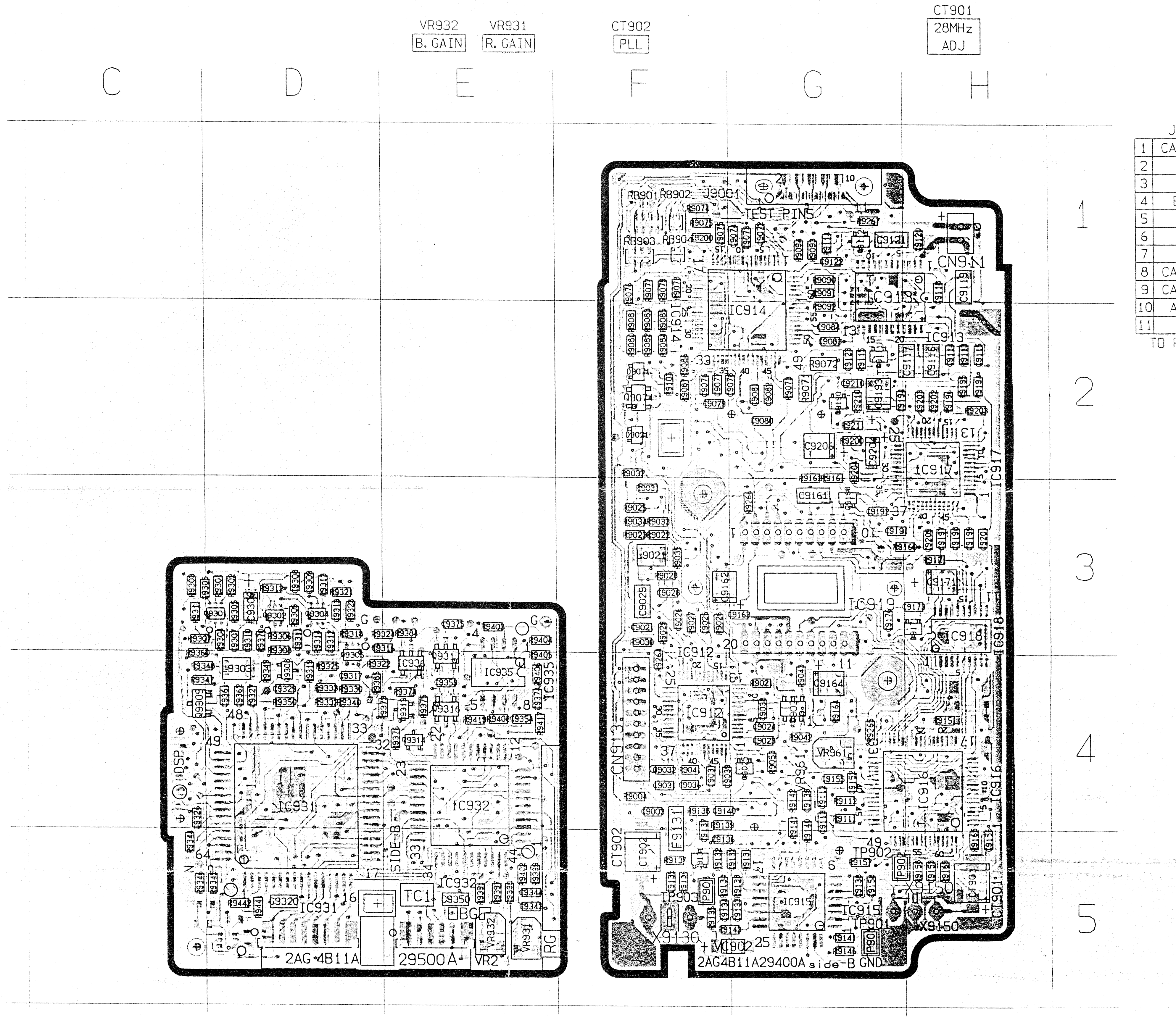
ZE	22K JA 1/16W	[E4]
ZE	15K JA 1/16W	[E4]
ZE	22K JA 1/16W	[E4]
ZE	2.7K JA 1/16W	[E4]
ZE	2.7K JA 1/16W	[E4]
ZE	4.7 JA 1/16W	[E4]
ZE	5.6K JA 1/16W	[E3]
ZE	6.8K JA 1/16W	[E3]
ZE	1K JA 1/16W	[E4]
ZE	1K JA 1/16W	[E4]
ZE	0.000 ZA 1/16W	[D5]
ZE	22K JA 1/16W	[D5]
ZE	0.000 ZA 1/16W	[C4]
ZE	560 JA 1/16W	[D4]
ZE	47K JA 1/16W	[E4]
ZE	4.7K JA 1/16W	[D5]
ZE	10K JA 1/16W	[D5]
ZE	6.8 JA 1/10W	[D4]
ZE	6.8 JA 1/10W	[D4]
ZE	2.7K JA 1/16W	[C5]
ZE	10K JA 1/16W	[D5]
ZE	1K JA 1/16W	[D5]
ZE	1K JA 1/16W	[D5]
ZE	33K JA 1/16W	[D5]
ZE	68K JA 1/16W	[D5]

R9390	MT-GLAZE	100K JA 1/16W	[C5]
R9392	MT-GLAZE	33K JA 1/16W	[D5]
R9393	MT-GLAZE	68K JA 1/16W	[D5]
R9394	MT-GLAZE	270K JA 1/16W	[C5]
R9395	MT-GLAZE	120K JA 1/16W	[D5]
R9396	MT-GLAZE	180K JA 1/16W	[D5]
R9409	MT-GLAZE	560 JA 1/16W	[D4]
R9414	MT-GLAZE	3.9K JA 1/16W	[D4]
R9415	MT-GLAZE	82K JA 1/16W	[C4]
R9416	MT-GLAZE	47K JA 1/16W	[D4]
R9421	MT-GLAZE	2.7K JA 1/16W	[E3]
R9422	MT-GALZE	3.3K JA 1/16W	[E3]
R9423	MT-GLAZE	470 JA 1/16W	[E3]
R9424	MT-GLAZE	560 JA 1/16W	[E3]
R9425	MT-GLAZE	560 JA 1/16W	[E3]
R9426	MT-GLAZE	2.2K JA 1/16W	[E3]
R9431	MT-GLAZE	1.5K JA 1/16W	[E3]
R9432	MT-GALZE	3.3K JA 1/16W	[E4]
R9433	MT-GLAZE	470 JA 1/16W	[E4]
R9434	MT-GLAZE	560 JA 1/16W	[E4]
R9435	MT-GLAZE	560 JA 1/16W	[E3]
R9436	MT-GLAZE	2.2K JA 1/16W	[E3]
T9020	FILTER 4MHZ		[B4]
T9190	FILTER 4MHZ		[A2]

LEADLESS COMPONENT PARTS LOCATION GUIDE
PW1 BOARD (SIDE A)

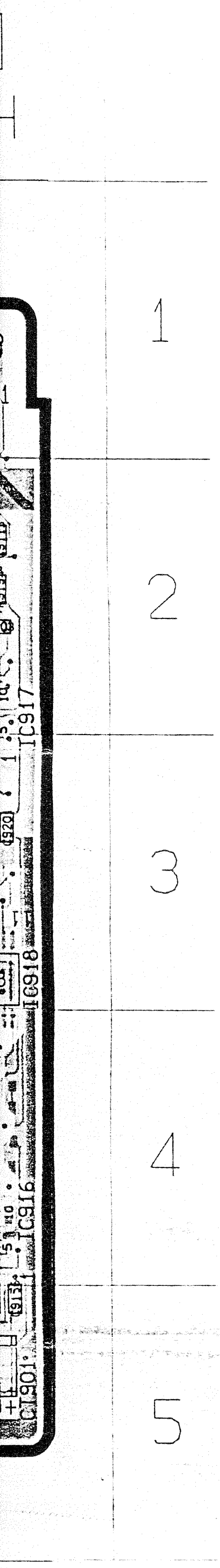
D3001	DIODE SB05-05CP-TB		[J3]
D3002	DIODE SB05-05CP-TB		[K3]
D3003	ZENER DIODE MA3082WA-TX		[K1]
Q3001	TR 2SC4211-6-TL		[J3]
Q3002	TR 2SB1121-T-TD		[J3]
Q3003	TR 2SB1121-T-TD		[K3]
Q3004	TR 2SC4211-6-TL		[K3]
R3001	MT-GLAZE	470 JA 1/16W	[J3]
R3002	MT-GLAZE	470 JA 1/16W	[J3]
R3004	MT-GLAZE	470 JA 1/16W	[K3]
R3005	MT-GLAZE	470 JA 1/16W	[K3]
R3104	MT-GLAZE	56 JA 1/16W	[K1]
R3105	MT-GLAZE	56 JA 1/16W	[L1]
T3001	FILTER,EMI		[K2]

CA1/TC1 BOARD (SIDE B)



LEADLESS COMPONENT PARTS LOCATION GUIDE
CA1/TC1 BOARD (SIDE B)

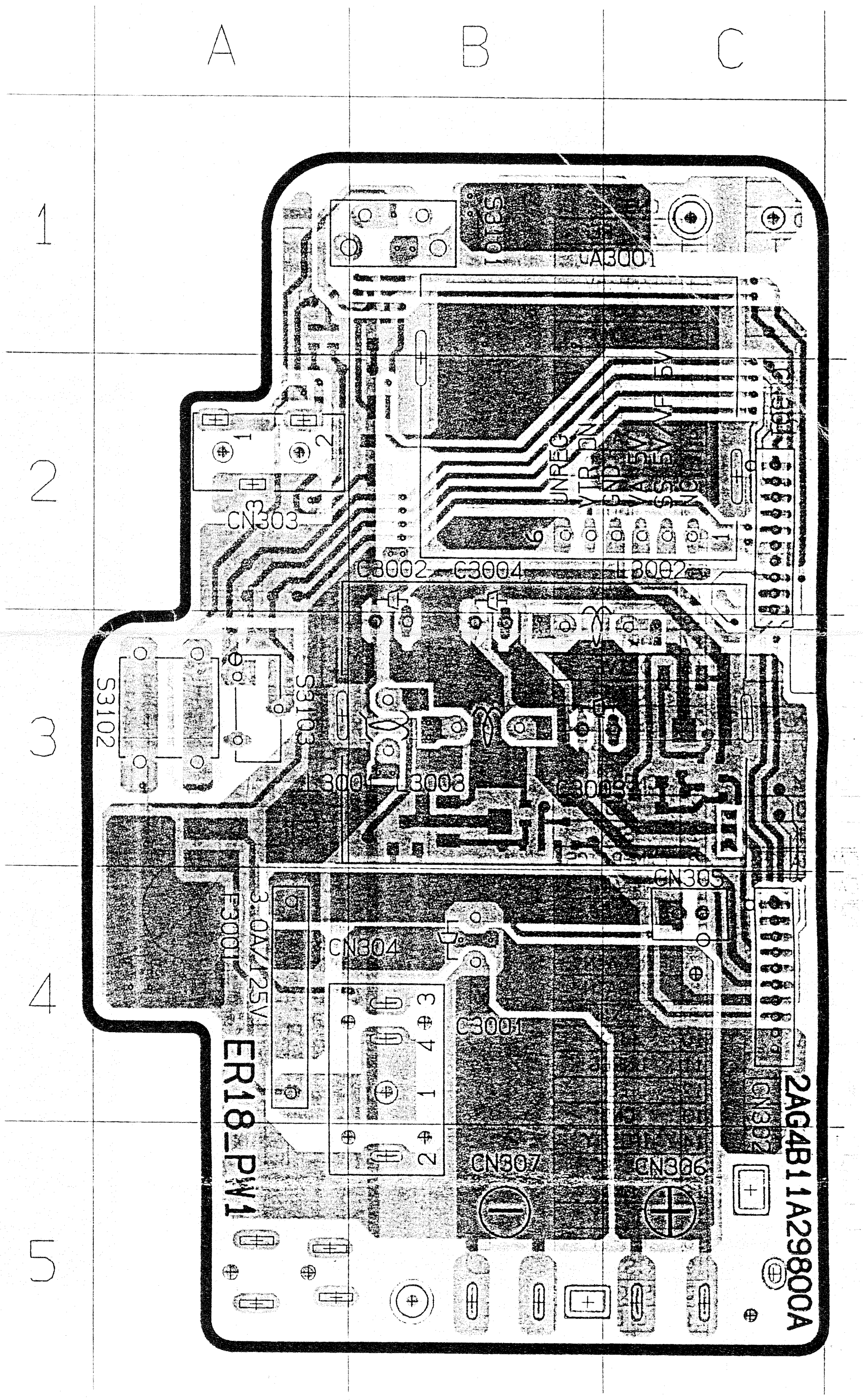
C9021	CERAMIC	0.01U	K	25V	[F3]
C9023	CERAMIC	0.1U	Z	25V	[G4]
C9024	CERAMIC	0.1U	Z	25V	[G4]
C9025	CERAMIC	0.1U	Z	25V	[F3]
C9026	CERAMIC	0.01U	K	25V	[F3]
C9028	CERAMIC	100P	J	50V	[F3]
C9029	CERAMIC	1U	Z	25V	[F3]
C9031	CERAMIC	0.1U	Z	25V	[F4]
C9032	CERAMIC	0.1U	Z	25V	[F4]
C9036	CERAMIC	0.1U	Z	25V	[F4]
C9037	CERAMIC	0.1U	Z	25V	[F4]
C9038	CERAMIC	0.1U	Z	25V	[G4]
C9039	CERAMIC	0.1U	Z	25V	[F4]
C9072	CERAMIC	0.1U	Z	25V	[G1]
C9073	CERAMIC	0.1U	Z	25V	[G1]
C9074	CERAMIC	0.1U	Z	25V	[G1]
C9075	CERAMIC	0.1U	Z	25V	[F1]
C9076	CERAMIC	0.1U	Z	25V	[F2]
C9077	CERAMIC	0.1U	Z	25V	[F2]
C9078	CERAMIC	0.1U	Z	25V	[G2]
C9079	CERAMIC	0.1U	Z	25V	[F2]
C9080	CERAMIC	0.1U	Z	25V	[G2]
C9081	CERAMIC	0.1U	Z	25V	[G2]
C9082	CERAMIC	0.1U	Z	25V	[G2]
C9083	CERAMIC	0.1U	Z	25V	[G2]
C9084	CERAMIC	0.1U	Z	25V	[G2]
C9112	CERAMIC	18P	J	50V	[G4]
C9115	CERAMIC	0.1U	Z	25V	[H2]
C9116	CERAMIC	1U	Z	25V	[H2]
C9117	CERAMIC	1U	Z	25V	[H2]
C9118	CERAMIC	0.1U	Z	25V	[H1]
C9119	CERAMIC	1U	Z	25V	[H1]
C9120	CERAMIC	1000P	K	50V	[H1]
C9121	CERAMIC	1U	Z	25V	[G1]
C9122	CERAMIC	0.1U	Z	25V	[G1]
C9123	CERAMIC	0.1U	Z	25V	[G2]
C9132	CERAMIC	0.01U	K	25V	[G5]
C9133	CERAMIC	1000P	K	50V	[G5]
C9134	CERAMIC	1000P	K	50V	[F5]
C9135	CERAMIC	7P	D	50V	[F5]
C9137	CERAMIC	62P	J	50V	[F5]
C9138	CERAMIC	1000P	K	50V	[G5]
C9139	CERAMIC	1000P	K	50V	[G4]
C9140	CERAMIC	1000P	K	50V	[F4]
C9141	CERAMIC	47P	J	50V	[G5]
C9152	CERAMIC	56P	J	50V	[G4]
C9153	CERAMIC	1000P	K	50V	[H5]
C9158	CERAMIC	1000P	K	50V	[G5]
C9161	CERAMIC	1U	Z	25V	[G3]
C9162	TA-SOLID	3.3U	M	20V	[F3]
C9163	CERAMIC	0.01U	K	25V	[G3]
C9164	TA-SOLID	3.3U	M	16V	[G4]
C9171	TA-SOLID	1U	M	35V	[H3]
C9173	CERAMIC	0.1U	Z	25V	[H3]
C9191	CERAMIC	0.1U	Z	25V	[G3]
C9192	CERAMIC	0.1U	Z	25V	[G3]
C9193	TA-SOLID	6.8U	M	6.3V	[G2]
C9194	CERAMIC	0.01U	K	25V	[G2]
C9197	CERAMIC	0.1U	Z	25V	[H3]
C9198	CERAMIC	0.1U	Z	25V	[H3]
C9199	CERAMIC	0.1U	Z	25V	[H3]
C9200	CERAMIC	0.1U	Z	25V	[F1]
C9201	CERAMIC	0.1U	Z	25V	[H3]
C9202	CERAMIC	0.1U	Z	25V	[H2]
C9203	CERAMIC	0.1U	Z	25V	[H2]
C9204	TA-SOLID	1U	M	16V	[G2]
C9206	TA-SOLID	6.8U	M	6.3V	[G2]
C9209	CERAMIC	0.1U	Z	25V	[H3]
C9305	CERAMIC	0.1U	Z	25V	[C3]
C9306	TA-SOLID	3.3U	M	6.3V	[D3]
C9307	CERAMIC	0.1U	Z	25V	[D3]
C9308	CERAMIC	2200P	K	50V	[D3]
C9309	CERAMIC	2200P	K	50V	[D3]
C9310	CERAMIC	0.1U	Z	25V	[D3]
C9311	CERAMIC	330P	J	50V	[D3]
C9312	CERAMIC	330P	J	50V	[D3]
C9313	CERAMIC	0.1U	Z	25V	[D3]
C9316	CERAMIC	0.1U	Z	25V	[E3]
C9317	CERAMIC	0.01U	K	25V	[D4]
C9320	CERAMIC	0.1U	Z	25V	[D5]
C9326	CERAMIC	0.01U	K	25V	[C4]
C9327	CERAMIC	0.1U	Z	25V	[D4]
C9329	CERAMIC	1000P	K	50V	[D4]
C9343	CERAMIC	0.1U	Z	25V	[E5]
C9344	CERAMIC	0.1U	Z	25V	[E5]
C9350	CERAMIC	0.1U	Z	25V	[E5]
C9354	CERAMIC	0.1U	Z	25V	[E4]
C9359	CERAMIC	0.1U	Z	25V	[E4]
C9361	CERAMIC	47P	J	50V	[D4]
C9362	CERAMIC	47P	J	50V	[D4]
C9374	CERAMIC	0.1U	Z	25V	[E4]
CT901	CAP,TRIM 30P-W				[H5]
CT902	CAP,TRIM 30P-W				[F5]
D9021	DIODE MA141K-TX				[F2]
D9071	DIODE MA141K-TX				[F2]
D9171	DIODE MA141WA-TX				[H3]
IC912	IC CXA1392R-T3				[F4]
IC913	IC CXL1508N-T3				[G1]
IC914	IC CXA1391R-T3				[G2]
IC915	IC CXD1159Q-T3				[G5]
IC916	IC CXD1253R-T3				[H4]
IC917	IC CXA1390R-T3				[H2]
IC918	IC CXD1250N-T3				[H3]
IC931	IC LC97000A-376				[D4]
IC932	IC S87C51FB-1/R2736				[E4]
IC935	IC NJM3414M-T1				[E4]
IC936	IC SC14S69FEL				[E4]
L9021	COIL,INDUCTOR 12U J				[F3]
L9303	COIL,INDUCTOR 221U J				[D4]
Q9021	TR XN5501-TW				[G4]
Q9074	TR XN1113-(TW)				[F2]
Q9111	TR 2SB1218A-R-TX				[G2]
Q9112	TR 2SB1218A-R-TX				[G1]
Q9131	TR 2SC4399-5-TL				[F5]
Q9160	TR 2SC4399-5-TL				[G3]
Q9190	TR UN5113-TX				[G2]
Q9301	TR XP4401-TX				[D3]
Q9302	TR XP4501-TX				[D3]
Q9304	TR XP4501-TX				[D3]
Q9305	TR XP4501-TX				[D4]
Q9308	TR 2SD1819A-R-TX				[D4]
Q9309	TR 2SA1434-TB				[C4]
Q9313	TR 2SD1819A-R-TX				[E4]
Q9314	TR UN5213-TX				[E4]
Q9316	TR FMA5-T99				[E4]
Q9317	TR FMG8-T99				[E4]
R9021	MT-GLAZE	100K	JA	1/16W	[G4]
R9022	MT-GLAZE	0.000	ZA	1/16W	[F3]
R9025	MT-GLAZE	82K	JA	1/16W	[F3]
R9026	MT-GLAZE	10K	JA	1/16W	[F3]
R9027	MT-GLAZE	1K	JA	1/16W	[F3]
R9028	MT-GLAZE	1.8K	JA	1/16W	[F3]
R9029	MT-GLAZE	12K	JA	1/16W	[F3]
R9030	MT-GLAZE	16K	JA	1/16W	[F3]
R9031	MT-GLAZE	56K	JA	1/16W	[F3]
R9032	MT-GLAZE	56K	JA	1/16W	[F2]
R9034	MT-GLAZE	0.000	ZA	1/16W	[F3]
R9035	MT-GLAZE	47K	JA	1/16W	[F3]
R9041	MT-GLAZE	100K	JA	1/16W	[F4]
R9042	MT-GLAZE	1K	JA	1/16W	[G4]
R9043	MT-GLAZE	1K	JA	1/16W	[G4]
R9071	MT-FILM	12K	DU	1/10W	[G2]
R9072	MT-FILM	27K	DU	1/10W	[G2]
R9073	MT-GLAZE	22K	JA	1/16W	[G2]
R9074	MT-GLAZE	10K	JA	1/16W	[F1]
R9076	MT-GLAZE	27K	JA	1/16W	[F1]
R9077	MT-GLAZE	18K	JA	1/16W	[F1]
R9078	MT-GLAZE	56K	JA	1/16W	[F1]
R9079	MT-GLAZE	56K	JA	1/16W	[F1]
R9080	MT-GLAZE	10K	JA	1/16W	[F2]
R9081	MT-GLAZE	10K	JA	1/16W	[F2]
R9082	MT-GLAZE	15K	JA	1/16W	[F2]
R9083	MT-GLAZE	12K	JA	1/16W	[F2]
R9084	MT-GLAZE	12K	JA	1/16W	[F2]
R9085	MT-GLAZE	18K	JA	1/16W	[F2]
R9086	MT-GLAZE	12K	JA	1/16W	[F2]
R9087	MT-GLAZE	27K	JA	1/16W	[F2]
R9090	MT-GLAZE	56K	JA	1/16W	[G1]
R9091	MT-GLAZE	18K	JA	1/16W	[G1]
R9092	MT-GLAZE	27K	JA	1/16W	[G2]
R9094	MT-GLAZE	0.000	ZA	1/16W	[G1]
R9103	MT-GLAZE	820	JA	1/16W	[F2]
R9111	MT-GLAZE	220	JA	1/16W	[G4]
R9112	MT-GLAZE	220	JA	1/16W	[G4]
R9113	MT-GLAZE	0.000	ZA	1/16W	[H2]
R9114	MT-GLAZE	4.7K	JA	1/16W	[G1]
R9115	MT-GLAZE	4.7K	JA	1/16W	[G2]
R9131	MT-GLAZE	100	JA	1/16W	[G5]
R9132	MT-GLAZE	1M	JA	1/16W	[F5]
R9133	MT-GLAZE	68K	JA	1/16W	[G5]
R9134	MT-GLAZE	10K	JA	1/16W	[F5]
R9135	MT-GLAZE	100K	JA	1/16W	[F5]
R9136	MT-GLAZE	220	JA	1/16W	[F5]
R9137	MT-GLAZE	1.5K	JA	1/16W	[F5]
R9138	MT-GLAZE	150	JA	1/16W	[F4]
R9139	MT-GLAZE	10	JA	1/16W	[F4]
R9140	MT-GLAZE	2.2K	JA	1/16W	[G5]
R9141	MT-GLAZE	0.000	ZA	1/16W	[G4]
R9143	MT-GLAZE	0.000	ZA	1/16W	[F5]
R9146	MT-GLAZE	2.2K	JA	1/16W	[G5]
R9151	MT-GLAZE	0.000	ZA	1/16W	[H4]
R9157	MT-GLAZE	1K	JA	1/16W	[G5]
R9160	MT-GLAZE	3.9K	JA	1/16W	[H3]
R9161	MT-GLAZE	47K	JA	1/16W	[G3]
R9162	MT-GLAZE	15K	J		
R9164	MT-GLAZE	82K	J		
R9165	MT-GLAZE	0.000	Z		
R9169	MT-GLAZE	4.7K	J		
R9171	MT-GLAZE	100K	J		
R9194	MT-GLAZE	10K	J		
R9195	MT-GLAZE	27K	J		
R9196	MT-GLAZE	220	J		
R9200	MT-GLAZE	390	J		
R9204	MT-GLAZE	6.8K	J		
R9210	MT-GLAZE	0.000	Z		
R9211	MT-GLAZE	0.000	Z		
R9264	MT-GLAZE	0.000	Z		
R9267	MT-GLAZE	1K	J		
R9301	MT-GLAZE	8.2K	J		
R9302	MT-GLAZE	2.7K	J		
R9303	MT-GLAZE	1.5K	J		
R9304	MT-GLAZE	68K	J		
R9305	MT-GALZE	3.3K	J		
R9306	MT-GLAZE	1.8K	J		
R9307	MT-GLAZE	0.000	Z		
R9308	MT-GLAZE	560	J		
R9309	MT-GLAZE	560	J		
R9311	MT-GLAZE	0.000	Z		
R9312	MT-GLAZE	2.2K	J		
R9313	MT-GLAZE	560	J		
R9314	MT-GLAZE	560	J		
R9318	MT-GLAZE	5.6K	J		
R9319	MT-GLAZE	560	J		
R9321	MT-GLAZE	2.7K	J		
R9322	MT-GLAZE	2.2K	J		
R9323	MT-GLAZE	1K	J		
R9324	MT-GLAZE	470	J		
R9325	MT-GLAZE	560	J		
R9330	MT-GLAZE	39K	J		
R9332	MT-GALZE	3.3K	J		
R9333	MT-GALZE	3.3K	J		



J9001	
1	CAM ADJ. 3
2	LOAD
3	DA
4	EVR. CL
5	DO
6	CS
7	TEST1
8	CAM ADJ. 1
9	CAM ADJ. 2
10	ADJ. END
11	UNREG

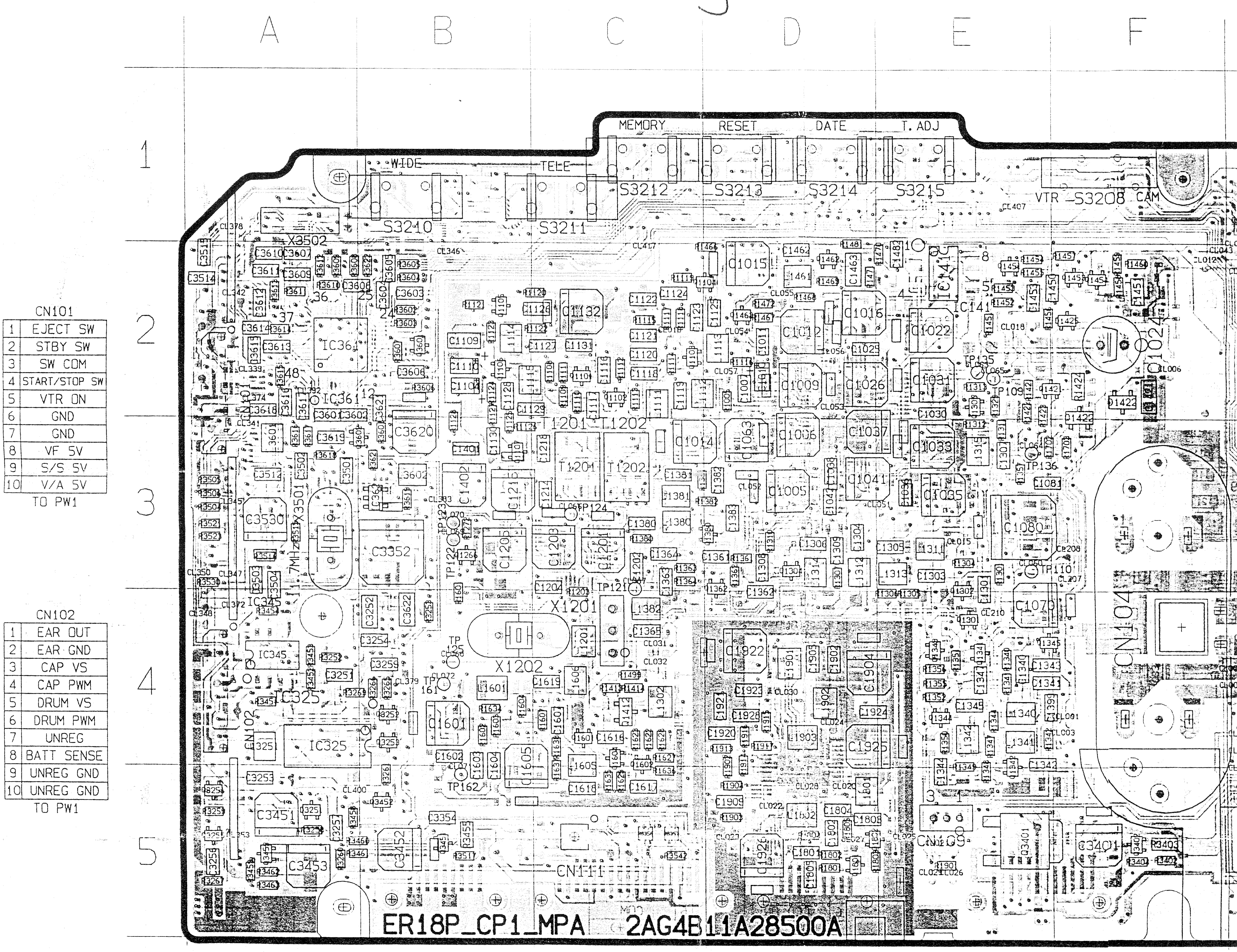
TO REMOCON

PW1 BOARD (SIDE B)



R9162	MT-GLAZE	15K JA 1/16W	[G3]
R9164	MT-GLAZE	82K JA 1/16W	[G4]
R9165	MT-GLAZE	0.000 ZA 1/16W	[H5]
R9169	MT-GLAZE	4.7K JA 1/16W	[H5]
R9171	MT-GLAZE	100K JA 1/16W	[H3]
R9194	MT-GLAZE	10K JA 1/16W	[H2]
R9195	MT-GLAZE	27K JA 1/16W	[H2]
R9196	MT-GLAZE	220 JA 1/16W	[H2]
R9200	MT-GLAZE	390 JA 1/16W	[G2]
R9204	MT-GLAZE	6.8K JA 1/16W	[G2]
R9210	MT-GLAZE	0.000 ZA 1/16W	[G2]
R9211	MT-GLAZE	0.000 ZA 1/16W	[G2]
R9264	MT-GLAZE	0.000 ZA 1/16W	[F4]
R9267	MT-GLAZE	1K JA 1/16W	[G1]
R9301	MT-GLAZE	8.2K JA 1/16W	[D3]
R9302	MT-GLAZE	2.7K JA 1/16W	[D3]
R9303	MT-GLAZE	1.5K JA 1/16W	[C3]
R9304	MT-GLAZE	68K JA 1/16W	[D3]
R9305	MT-GALZE	3.3K JA 1/16W	[D3]
R9306	MT-GLAZE	1.8K JA 1/16W	[D3]
R9307	MT-GLAZE	0.000 ZA 1/16W	[C3]
R9308	MT-GLAZE	560 JA 1/16W	[D3]
R9309	MT-GLAZE	560 JA 1/16W	[D3]
R9311	MT-GLAZE	0.000 ZA 1/16W	[C3]
R9312	MT-GLAZE	2.2K JA 1/16W	[D3]
R9313	MT-GLAZE	560 JA 1/16W	[D3]
R9314	MT-GLAZE	560 JA 1/16W	[D3]
R9318	MT-GLAZE	5.6K JA 1/16W	[D3]
R9319	MT-GLAZE	560 JA 1/16W	[D4]
R9321	MT-GLAZE	2.7K JA 1/16W	[D3]
R9322	MT-GLAZE	2.2K JA 1/16W	[D4]
R9323	MT-GLAZE	1K JA 1/16W	[D3]
R9324	MT-GLAZE	470 JA 1/16W	[E3]
R9325	MT-GLAZE	560 JA 1/16W	[D4]
R9330	MT-GLAZE	39K JA 1/16W	[D4]
R9332	MT-GALZE	3.3K JA 1/16W	[D4]
R9333	MT-GALZE	3.3K JA 1/16W	[D4]
R9340	MT-GLAZE	39K JA 1/16W	[D4]
R9344	MT-GLAZE	220K JA 1/16W	[C5]
R9345	MT-GLAZE	0.000 ZA 1/16W	[D5]
R9347	MT-GLAZE	10K JA 1/16W	[C4]
R9348	MT-GLAZE	100 JA 1/16W	[C4]
R9349	MT-GLAZE	1.5K JA 1/16W	[D4]
R9350	MT-GALZE	3.3K JA 1/16W	[D4]
R9360	MT-GLAZE	0.000 ZA 1/16W	[C4]
R9370	MT-GLAZE	470 JA 1/16W	[D3]
R9373	MT-FILM	10K DU 1/16W	[E4]
R9374	MT-FILM	4.7K DU 1/16W	[E4]
R9375	MT-GLAZE	10 JA 1/16W	[E4]
R9376	MT-GLAZE	22K JA 1/16W	[E4]
R9384	MT-GLAZE	56K JA 1/16W	[E3]
R9391	MT-GLAZE	68K JA 1/16W	[E5]
R9397	MT-GLAZE	100K JA 1/16W	[E5]
R9398	MT-GLAZE	330K JA 1/16W	[E5]
R9399	MT-GLAZE	47K JA 1/16W	[E5]
R9402	MT-GLAZE	39K JA 1/16W	[E5]
R9403	MT-GLAZE	39K JA 1/16W	[E3]
R9404	MT-GLAZE	27K JA 1/16W	[E3]
R9405	MT-GLAZE	27K JA 1/16W	[E4]
R9406	MT-GLAZE	47K JA 1/16W	[E4]
R9408	MT-GLAZE	680K JA 1/16W	[E4]
R9417	MT-GLAZE	15K JA 1/16W	[E4]
R9441	MT-GLAZE	1K JA 1/16W	[D5]
R9442	MT-GLAZE	1K JA 1/16W	[D5]
RB901	CHIP R-NETWORK, 1K*4		[F1]
RB902	CIP R-NETWORK, 1K*2		[F1]
RB903	CHIP R-NETWORK 10K 4		[F1]
RB904	CIP R-NETWORK, 10K*2		[F1]
TP901	TERMINAL		[G5]
TP903	TERMINAL		[F5]
VC902	VARACTOR DI 1SV200-11TLC		[G5]
VR931	VR 100K		[E5]
VR932	VR 100K		[E5]

CP1 BOARD (SIDE A)



CN101

1	EJECT SW
2	STBY SW
3	SW COM
4	START/STOP SW
5	VTR ON
6	GND
7	GND
8	VF 5V
9	S/S 5V
10	V/A 5V

TO PW1

CN102

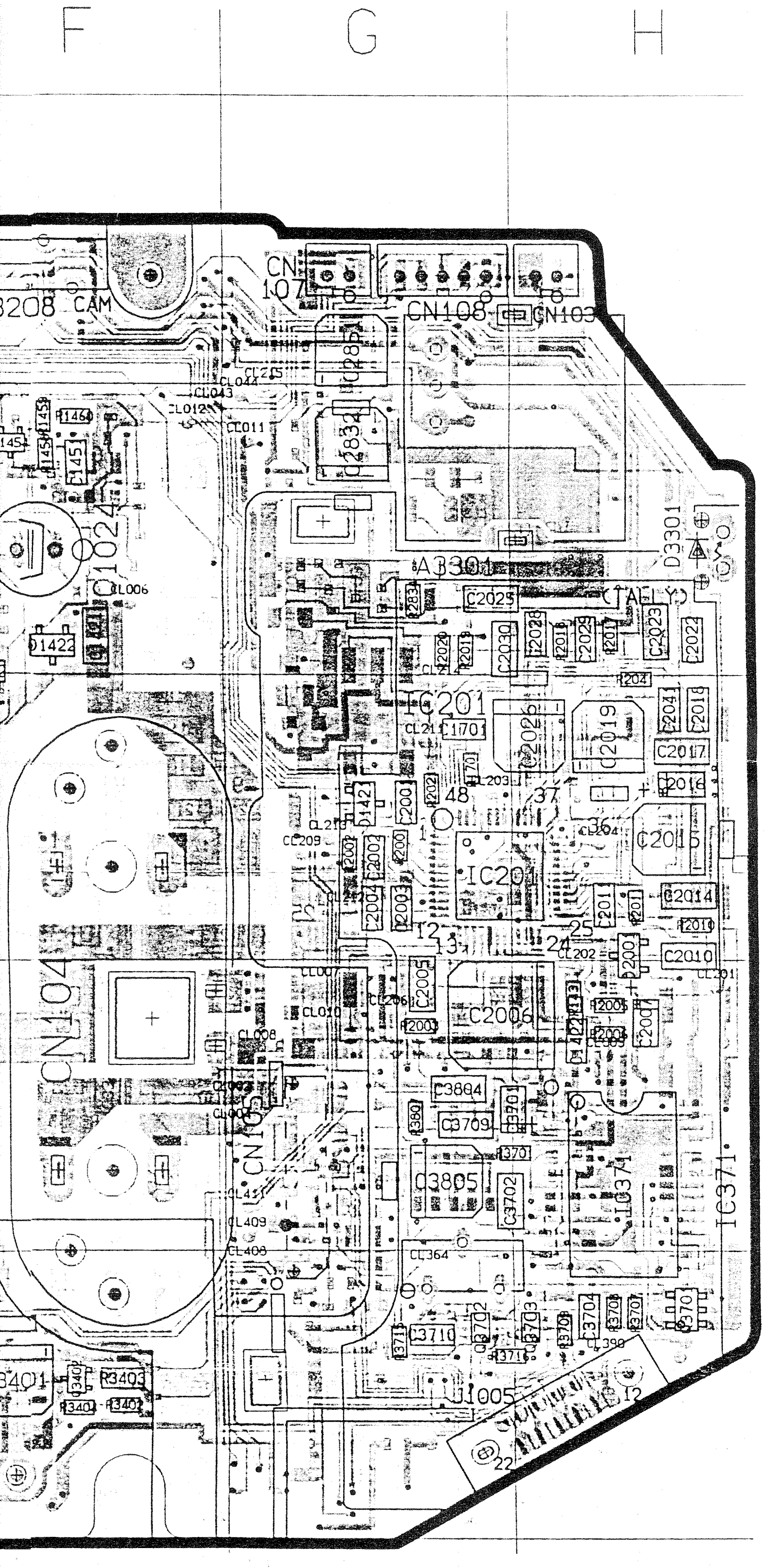
1	EAR OUT
2	EAR GND
3	CAP VS
4	CAP PWM
5	DRUM VS
6	DRUM PWM
7	UNREG
8	BATT SENSE
9	UNREG GND
10	UNREG GND

TO PW1

LEADLESS COMPONENT PARTS LOCATION GUIDE
CP1 BOARD (SIDE A)

C1005	ELECT	10U	M	16V	[D3]
C1006	ELECT	10U	M	16V	[D3]
C1007	CERAMIC	1000P	K	50V	[D2]
C1009	ELECT	10U	M	16V	[D2]
C1010	TA-SOLID	3.3U	M	6.3V	[D2]
C1012	ELECT	10U	M	16V	[D2]
C1014	ELECT	22U	M	6.3V	[C3]
C1015	ELECT	22U	M	6.3V	[D2]
C1016	ELECT	10U	M	16V	[D2]
C1022	ELECT	10U	M	16V	[E2]
C1025	CERAMIC	0.01U	K	50V	[D2]
C1026	ELECT	10U	M	16V	[D2]
C1030	CERAMIC	0.1U	Z	25V	[E3]
C1033	ELECT	47U	M	4V	[E3]
C1035	ELECT	10U	M	16V	[E3]
C1036	CERAMIC	1000P	K	50V	[E3]
C1037	ELECT	10U	M	16V	[D3]
C1038	CERAMIC	0.01U	K	50V	[D3]
C1041	ELECT	10U	M	16V	[D3]
C1042	CERAMIC	0.01U	K	50V	[D3]
C1063	ELECT	22U	M	6.3V	[D3]
C1070	ELECT	47U	M	4V	[E4]
C1080	ELECT	100U	M	6.3V	[E3]
C1109	CERAMIC	1U	Z	25V	[B2]
C1116	CERAMIC	15P	J	50V	[C2]
C1117	CERAMIC	27P	J	50V	[C2]
C1118	CERAMIC	75P	J	50V	[C2]
C1119	CERAMIC	39P	J	50V	[C2]
C1120	CERAMIC	56P	J	50V	[C2]
C1121	CERAMIC	47P	J	50V	[C2]
C1122	CERAMIC	68P	J	50V	[C2]
C1123	CERAMIC	10P	D	50V	[C2]
C1124	CERAMIC	10P	D	50V	[C2]
C1125	CERAMIC	39P	J	50V	[D2]
C1126	CERAMIC	82P	J	50V	[C2]
C1127	CERAMIC	18P	J	50V	[C2]
C1128	CERAMIC	27P	J	50V	[B2]
C1129	CERAMIC	100P	J	50V	[C3]
C1130	CERAMIC	27P	J	50V	[B3]
C1131	CERAMIC	0.01U	K	50V	[C2]
C1132	ELECT	22U	M	6.3V	[C2]
C1202	CERAMIC	0.01U	K	50V	[C3]
C1204	CERAMIC	0.1U	Z	25V	[C4]
C1205	ELECT	47U	M	4V	[B3]
C1214	CERAMIC	1000P	K	50V	[C3]
C1215	ELECT	22U	M	6.3V	[B3]
C1218	CERAMIC	1000P	K	50V	[C3]
C1301	CERAMIC	0.1U	Z	25V	[E4]
C1303	CERAMIC	75P	J	50V	[E3]
C1304	CERAMIC	2200P	K	50V	[D3]
C1305	CERAMIC	270P	J	50V	[E3]
C1306	CERAMIC	18P	J	50V	[D3]
C1307	CERAMIC	270P	J	50V	[E3]
C1308	CERAMIC	0.1U	Z	25V	[D3]
C1309	CERAMIC	18P	J	50V	[D3]
C1340	CERAMIC	47P	J	50V	[E4]
C1341	CERAMIC	110P	J	50V	[E4]
C1342	CERAMIC	150P	J	50V	[E5]
C1344	CERAMIC	15P	J	50V	[E5]
C1345	CERAMIC	39P	J	50V	[E4]
C1347	CERAMIC	0.01U	K	50V	[E4]
C1361	CERAMIC	180P	J	50V	[D3]
C1362	CERAMIC	100P	J	50V	[D4]
C1363	CERAMIC	0.1U	Z	25V	[C4]
C1364	CERAMIC	100P	J	50V	[C3]
C1365	CERAMIC	33P	J	50V	[C4]
C1380	CERAMIC	3300P	K	50V	[C3]
C1381	CERAMIC	75P	J	50V	[C3]
C1382	CERAMIC	47P	J	50V	[D3]
C1383	CERAMIC	0.1U	Z	25V	[D3]
C1402	ELECT	22U	M	6.3V	[B3]
C1421	CERAMIC	1U	Z	25V	[F2]
C1450	CERAMIC	0.1U	Z	25V	[F2]
C1451	CERAMIC	1000P	J	50V	[F2]
C1453	CERAMIC	22P	J	50V	[E2]
C1462	CERAMIC	39P	J	50V	[D2]
C1463	CERAMIC	1U	Z	25V	[D2]
C1482	CERAMIC	27P	J	50V	[E2]
C1601	ELECT	22U	M	6.3V	[B4]
C1602	CERAMIC	1000P	K	50V	[B4]
C1603	CERAMIC	110P	J	50V	[B5]
C1604	CERAMIC	1000P	K	50V	[B5]
C1605	ELECT	4.7U	M	25V	[B5]
C1607	CERAMIC	120P	J	50V	[C4]
C1701	CERAMIC	1000P	K	50V	[G3]
C1801	CERAMIC	100P	J	50V	[D5]
C1802	CERAMIC	150P	J	50V	[D5]
C1803	CERAMIC	82P	J	50V	[D5]
C1804	CERAMIC	0.01U	K	50V	[D5]
C1805	CERAMIC	0.1U	Z	25V	[D5]
C1902	CERAMIC	0.1U	Z	25V	[D4]
C1904	ELECT	22U	M	6.3V	[D4]
C1905	CERAMIC	0.1U	Z	25V	[D4]
C1921	CERAMIC	1000P	K	50V	[D4]
C1922	ELECT	22U	M	6.3V	[D4]
C1923	CERAMIC	0.1U	Z	25V	[D4]
C1924	CERAMIC	0.1U	Z	25V	[D4]
C1925	ELECT	22U	M	6.3V	[D4]
C1926	ELECT	22U	M	6.3V	[D5]
C1928	CERAMIC	0.1U	Z	25V	[D4]
C2001	CERAMIC	0.01U	K	50V	[G3]
C2002	CERAMIC	56P	J	50V	[G3]
C2003	CERAMIC	0.01U	K	50V	[G3]
C2004	CERAMIC	2200P	K	50V	[G3]
C2005	CERAMIC	1U	Z	25V	[G4]
C2006	ELECT	100U	M	6.3V	[G4]
C2007	TA-SOLID	1U	M	16V	[H4]
C2010	CERAMIC	1U	Z	25V	[H4]
C2011	CERAMIC	2200P	K	50V	[H3]
C2014	CERAMIC	1U	Z	25V	[H3]
C2015	ELECT	10U	M	16V	[H3]
C2016	TA-SOLID	1U	M	16V	[H3]
C2017	CERAMIC	1U	Z	25V	[H3]
C2018	CERAMIC	220P	J	50V	[H3]
C2019	ELECT	4.7U	M	25V	[H3]
C2022	CERAMIC	0.027U	K	25V	[H2]
C2023	CERAMIC	1U	Z	25V	[H2]
C2025	CERAMIC	1U	Z	25V	[G2]
C2026	ELECT	4.7U	M	25V	[H3]
C2028	CERAMIC	0.047U	K	50V	[H2]
C2029	CERAMIC	0.047U	K	50V	[H2]
C2030	CERAMIC	0.1U	K	25V	[G2]
C2041	CERAMIC	4700P	K	50V	[H3]
C2832	ELECT	10U	M	16V	[G2]
C2851	ELECT	22U	M	6.3V	[G1]
C3252	CERAMIC	1U	Z	25V	[B4]
C3253	CERAMIC	30P	J	50V	[A5]
C3254	CERAMIC	47P	J	50V	[B4]
C3259	CERAMIC	47P	J	50V	[B4]
C3352	ELECT	100U	M	6.3V	[B3]
C3354	CERAMIC	0.1U	Z	25V	[B5]
C3401	ELECT	22U	M	6.3V	[F5]
C3451	ELECT	22U	M	6.3V	[A5]
C3452	ELECT	10U	M	16V	[B5]
C3453	ELECT	10U	M	16V	[A5]
C3501	CERAMIC	12P	J	50V	[A3]
C3502	CERAMIC	12P	J	50V	[A3]
C3514	CERAMIC	150P	J	50V	[A2]
C3515	CERAMIC	150P	J	50V	[A2]
C3530	ELECT	47U	M	4V	[A3]
C3601	CERAMIC	0.027U	K	25V	[A3]
C3602	CERAMIC	0.027U	K	25V	[A3]
C3603	CERAMIC	150P	J	50V	[B2]
C3604	CERAMIC	10P	D	50V	[B2]
C3605	CERAMIC	56P	J	50V	[B2]
C3606	CERAMIC	470P	J	50V	[B2]
C3607	CERAMIC	39P	J	50V	[A2]
C3608	CERAMIC	1000P	K	50V	[A2]
C3609	CERAMIC	0.01U	K	50V	[A2]
C3611	CERAMIC	0.01U	K	50V	[A2]
C3612	CERAMIC	0.1U	Z	25V	[A2]
C3613	CERAMIC	0.01U	K	50V	[A2]
C3615	CERAMIC	0.1U	Z	25V	[A2]
C3616	CERAMIC	0.1U	Z	25V	[A2]
C3617	CERAMIC	1000P	K	50V	[A2]
C3618	CERAMIC	3300P	K	50V	[A3]
C3619	CERAMIC	330P	J	50V	[A3]
C3620	ELECT	22U	M	6.3V	[B3]
C3621	CERAMIC	0.1U	Z	25V	[B3]
C3701	TA-SOLID	4.7U	M	6.3V	[H4]
C3702	CERAMIC	0.22U	Z	50V	[G4]
C3704	CERAMIC	0.047U	K	25V	[H5]
C3709	CERAMIC	1U	Z	25V	[G4]
C3710	CERAMIC	0.01U	K	50V	[G5]
C3804	CERAMIC	1U	Z	25V	[G4]
C3805	ELECT	22U	M	6.3V	[G4]
D1422	ZENER DIODE RD8.2M-T1BB2				[F2]
D1425	DIODE DSH015-TL				[F2]
D2001	ZENER DIODE RD8.2M-T1BB2				[H4]
D3251	DIODE DSH015-TL				[A5]
IC141	IC NJM2235M-T1				[E2]
IC201	IC LA7454W-P-TE-F				[G3]
IC325	IC UPD6456GS-617G				[A4]
IC345	IC LA6358M-TP-T1				[A4]
IC361	IC LV4050W-TE-R				[A2]
IC362	IC SC14S81FEL				[B3]
IC371	IC CXA8006M-E1				[H4]
L1111	COIL,INDUCTOR 4.7U J				[C2]
L1112	COIL,INDUCTOR 4.7U J				[C2]
L1113	HF CHOKE				[D2]
L1114	HF CHOKE				[B2]
L1115	COIL,INDUCTOR 10U J				[B2]
L1201	RF CHOKE				[C4]
L1302	RF CHOKE				[C4]
L1311	COIL,INDUCTOR 4.7U J				[E3]
L1312	COIL,INDUCTOR 470U J				[D3]
L1313	HF CHOKE				[E3]
L1314	COIL,INDUCTOR 330UH J				[D3]
L1315	HF CHOKE				[E3]
L1340	COIL,INDUCTOR 100U J				[E4]
L1341	COIL,INDUCTOR 330UH J				[E4]
L1342	COIL,INDUCTOR 8.2U J				[E4]
L1380	COIL,INDUCTOR 100U J				[C3]
L1381	COIL,INDUCTOR 151U J				[C3]
L1382	HF CHOKE				[C4]
L1461	COIL,INDUCTOR 56U J				[D2]
L1601	RF CHOKE				[B4]
L1801	COIL,INDUCTOR 10U J				
L1802	RF CHOKE				
L1901	RF CHOKE				
L1902	RF CHOKE				
L1903	RF CHOKE				
L3251	HF CHOKE				
L3601	COIL,INDUCTOR 330U J				
Q1101	TR 2SC4211-6-TL				
Q1102	TR 2SC4211-6-TL				
Q1103	TR 2SC4211-6-TL				
Q1104	TR 2SC4211-6-TL				
Q1105	TR 2SC4211-6-TL				
Q1106	TR 2SC4211-6-TL				
Q1107	TR 2SC4211-6-TL				
Q1301	TR 2SA1622-6-TL				
Q1302	TR 2SA1622-6-TL				
Q1304	TR 2SC4211-6-TL				
Q1342	TR 2SC4211-6-TL				
Q1343	TR 2SC4396-TL				
Q1344	TR 2SC4211-6-TL				
Q1362	TR 2SC4211-6-TL				
Q1380	TR 2SA1622-6-TL				
Q1412	TR 2SB815-B7-TB				
Q1421	TR 2SC4211-6-TL				
Q1422	TR 2SB815-B7-TB				
Q1451	TR 2SA1622-6-TL				
Q1453	TR 2SA1622-6-TL				
Q1454	TR 2SA1622-6-TL				
Q1462	TR 2SC4211-6-TL				
Q1463	TR 2SC4396-TL				
Q1601	TR 2SC4396-TL				
Q1602	TR 2SC4211-6-TL				
Q1604	TR 2SC4211-6-TL				
Q1801	TR 2SA1622-6-TL				
Q1802	TR 2SA1622-6-TL				
Q3251	TR 2SC4396-TL				
Q3252	TR 2SC4211-6-TL				
Q3253	TR 2SA1677-TL				
Q3401	TR 2SB1202-S-TL				
Q3402	TR 2SC4211-6-TL				
Q3451	TR 2SC4398-TL				
Q3452	TR 2SC4211-6-TL				
Q3453	TR 2SC4211-6-TL				
Q3601	TR 2SC4211-6-TL				
Q3602	TR 2SC4211-6-TL				
Q3701	TR FC101-TL				
Q3702	TR XP4501-TX				
Q3703	TR XP4501-TX				
R1109	MT-GLAZE	0.000	ZA	1/16	
R1110	MT-GLAZE	1.2K	JA	1/16	

VF1 BOARD (SIDE A)



	CN105
1	CAMERA CS
2	CAMERA CS
3	SCK
4	SO
5	CAMERA ON
6	CAMERA C
7	C GND
8	CAMERA Y
9	Y GND
10	Y GND

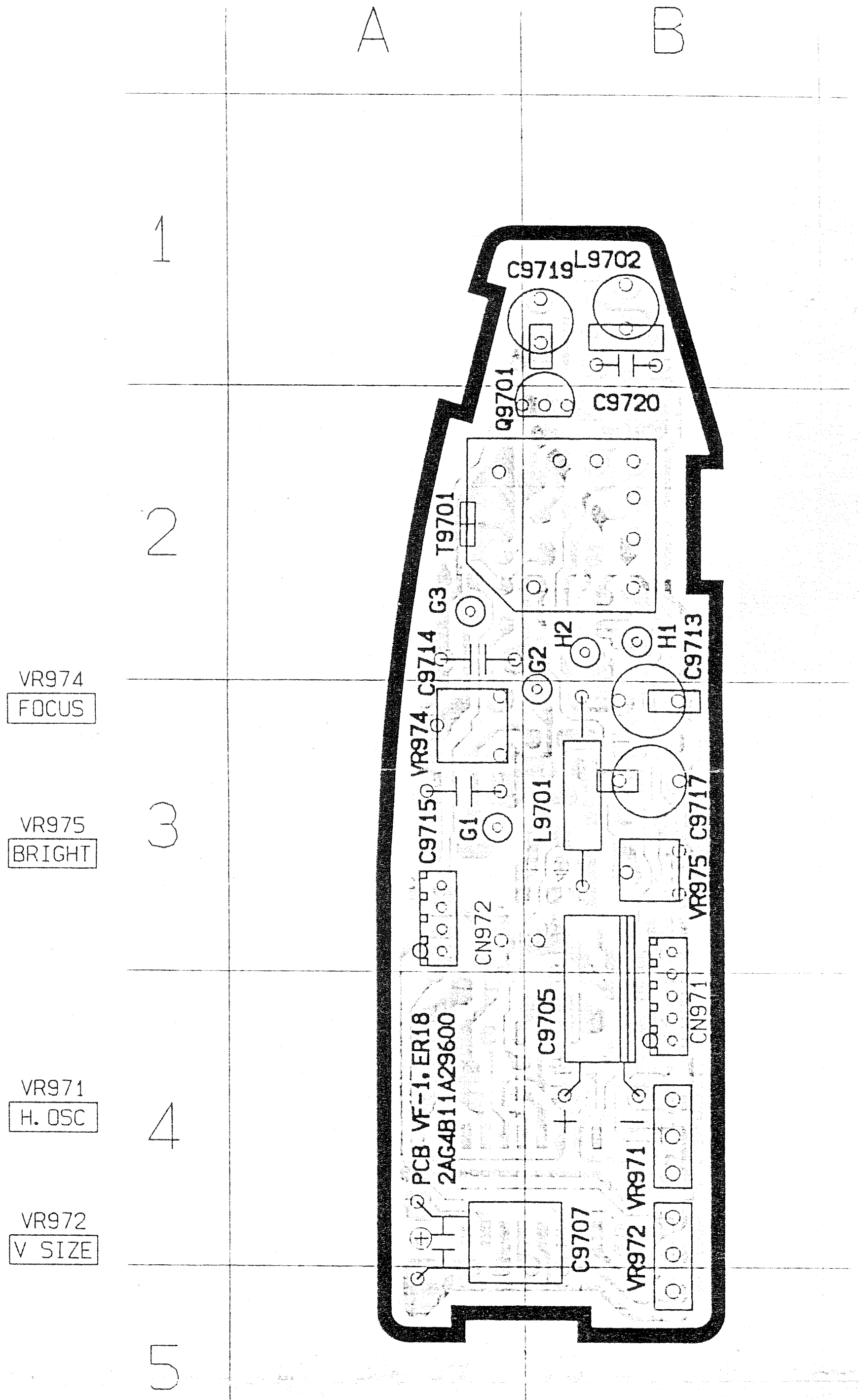
CAMERA

	CN104
1	AUDIO GND
2	AUDIO OUT
3	VIDEO GND
4	VIDEO OUT
5	+B
6	GND

A/V JACK

	J1005
12	GND
13	S/S 5V
14	TEST
15	H-SYNC
16	VF VIDEO
17	NOT USED
18	NOT USED
19	NOT USED
20	NOT USED
21	AUDIO IN
22	NOT USED

CHECK



COIL,INDUCTOR 10U J	[D5]	R1111	MT-GLAZE	1K JA 1/16W	[C2]
RF CHOKE	[D5]	R1112	MT-GLAZE	1.8K JA 1/16W	[C2]
RF CHOKE	[D4]	R1113	MT-GLAZE	39 JA 1/16W	[C2]
RF CHOKE	[D4]	R1114	MT-GLAZE	560 JA 1/16W	[C2]
RF CHOKE	[D4]	R1115	MT-GLAZE	4.7K JA 1/16W	[C2]
HF CHOKE	[A4]	R1116	MT-GLAZE	820 JA 1/16W	[D2]
COIL,INDUCTOR 330U J	[A3]	R1117	MT-GLAZE	1K JA 1/16W	[C2]
TR 2SC4211-6-TL	[C2]	R1118	MT-GLAZE	1K JA 1/16W	[C2]
TR 2SC4211-6-TL	[C2]	R1119	MT-GLAZE	1K JA 1/16W	[C2]
TR 2SC4211-6-TL	[C2]	R1120	MT-GLAZE	560 JA 1/16W	[C2]
TR 2SC4211-6-TL	[D2]	R1121	MT-GLAZE	680 JA 1/16W	[B2]
TR 2SC4211-6-TL	[B2]	R1122	MT-GLAZE	470 JA 1/16W	[C2]
TR 2SC4211-6-TL	[B2]	R1123	MT-GLAZE	2.4K JA 1/16W	[B2]
TR 2SC4211-6-TL	[B3]	R1124	MT-GLAZE	68 JA 1/16W	[B2]
TR 2SA1622-6-TL	[E4]	R1125	MT-GLAZE	270 JA 1/16W	[B3]
TR 2SA1622-6-TL	[E4]	R1126	MT-GLAZE	680 JA 1/16W	[B3]
TR 2SC4211-6-TL	[D3]	R1127	MT-GLAZE	220 JA 1/16W	[B3]
TR 2SC4211-6-TL	[E5]	R1128	MT-GLAZE	1K JA 1/16W	[B3]
TR 2SC4396-TL	[E4]	R1203	MT-FILM	100K DD 1/16W	[C4]
TR 2SC4211-6-TL	[E4]	R1301	MT-GLAZE	470 JA 1/16W	[E3]
TR 2SC4211-6-TL	[D4]	R1304	MT-GLAZE	2.7K JA 1/16W	[E3]
TR 2SA1622-6-TL	[D3]	R1305	MT-GLAZE	1.5K JA 1/16W	[E4]
TR 2SB815-B7-TB	[C4]	R1306	MT-GLAZE	560 JA 1/16W	[E4]
TR 2SC4211-6-TL	[F2]	R1307	MT-GLAZE	330 JA 1/16W	[D3]
TR 2SB815-B7-TB	[F3]	R1311	MT-GLAZE	680 JA 1/16W	[E3]
TR 2SA1622-6-TL	[E2]	R1312	MT-GLAZE	220 JA 1/16W	[E3]
TR 2SA1622-6-TL	[F2]	R1329	MT-GLAZE	0.000 ZA 1/16W	[E2]
TR 2SA1622-6-TL	[F2]	R1340	MT-GLAZE	560 JA 1/16W	[E4]
TR 2SC4211-6-TL	[D2]	R1341	MT-GLAZE	560 JA 1/16W	[E4]
TR 2SC4396-TL	[D2]	R1342	MT-GLAZE	12K JA 1/16W	[E4]
TR 2SC4396-TL	[C4]	R1347	MT-GLAZE	680 JA 1/16W	[E4]
TR 2SC4211-6-TL	[C5]	R1348	MT-GLAZE	680 JA 1/16W	[E5]
TR 2SC4211-6-TL	[C5]	R1349	MT-GLAZE	100 JA 1/16W	[E5]
TR 2SA1622-6-TL	[D5]	R1350	MT-GLAZE	560 JA 1/16W	[E4]
TR 2SA1622-6-TL	[D5]	R1351	MT-GLAZE	2.2K JA 1/16W	[E4]
TR 2SC4396-TL	[A5]	R1352	MT-FILM	470 DU 1/16W	[E4]
TR 2SC4211-6-TL	[B4]	R1355	MT-FILM	390 DU 1/16W	[E4]
TR 2SA1677-TL	[B4]	R1356	MT-FILM	120 DU 1/16W	[E4]
TR 2SB1202-S-TL	[E5]	R1357	MT-GLAZE	1K JA 1/16W	[E3]
TR 2SC4211-6-TL	[F5]	R1361	MT-GLAZE	1K JA 1/16W	[D3]
TR 2SC4398-TL	[B5]	R1362	MT-GLAZE	1K JA 1/16W	[D3]
TR 2SC4211-6-TL	[B5]	R1363	MT-GLAZE	330 JA 1/16W	[C3]
TR 2SC4211-6-TL	[A5]	R1364	MT-GLAZE	1K JA 1/16W	[C3]
TR 2SC4211-6-TL	[B2]	R1380	MT-GLAZE	4.7K JA 1/16W	[C3]
TR 2SC4211-6-TL	[B3]	R1381	MT-GLAZE	680 JA 1/16W	[C3]
TR FC101-TL	[H5]	R1382	MT-GLAZE	2.2K JA 1/16W	[D3]
TR XP4501-TX	[G5]	R1414	MT-GLAZE	2.2K JA 1/16W	[C4]
TR XP4501-TX	[H5]	R1421	MT-GLAZE	1K JA 1/16W	[E2]
MT-GLAZE 0.000 ZA 1/16W	[C2]	R1422	MT-GLAZE	18K JA 1/16W	[E3]
MT-GLAZE 1.2K JA 1/16W	[C2]	R1423	MT-GLAZE	5.6K JA 1/16W	[E3]

R1424	MT-GLAZE	3.3 JA 1/10W	[F2]	R1915	MT-GLAZE	10K JA 1/16W	[D4]
R1431	MT-GLAZE	0.000 ZA 1/16W	[H4]	R1916	MT-GLAZE	10K JA 1/16W	[D4]
R1451	MT-GLAZE	5.6K JA 1/16W	[E2]	R1917	MT-GLAZE	1.8K JA 1/16W	[D4]
R1452	MT-GLAZE	5.6K JA 1/16W	[E2]	R2001	MT-GLAZE	6.8K JA 1/16W	[G3]
R1453	MT-GLAZE	1.2K JA 1/16W	[E2]	R2002	MT-GLAZE	22K JA 1/16W	[G3]
R1454	MT-GALZE	3.3K JA 1/16W	[E2]	R2003	MT-GLAZE	22 JA 1/16W	[G4]
R1455	MT-GLAZE	1.8K JA 1/16W	[E2]	R2005	MT-GLAZE	1.8K JA 1/16W	[H4]
R1456	MT-GLAZE	330 JA 1/16W	[E2]	R2006	MT-GLAZE	100K JA 1/16W	[H4]
R1457	MT-GLAZE	2.7K JA 1/16W	[F2]	R2010	MT-GLAZE	33K JA 1/16W	[H3]
R1458	MT-FILM	39K DD 1/16W	[F2]	R2011	MT-GLAZE	10K JA 1/16W	[H3]
R1459	MT-FILM	6.8K DU 1/16W	[F2]	R2017	MT-FILM	22K DU 1/16W	[H2]
R1460	MT-FILM	18K DU 1/16W	[F2]	R2018	MT-GLAZE	3.3M JA 1/16W	[H2]
R1466	MT-GLAZE	18K JA 1/16W	[D2]	R2019	MT-FILM	7.5K DU 1/16W	[G2]
R1467	MT-GLAZE	12K JA 1/16W	[D2]	R2020	MT-FILM	10K DU 1/16W	[G2]
R1468	MT-GLAZE	5.6K JA 1/16W	[D2]	R2021	MT-GLAZE	5.6K JA 1/16W	[G3]
R1469	MT-GLAZE	1K JA 1/16W	[D2]	R2041	MT-GLAZE	1K JA 1/16W	[H3]
R1470	MT-GALZE	3.3K JA 1/16W	[E2]	R2834	MT-GLAZE	1K JA 1/16W	[G2]
R1471	MT-GLAZE	1M JA 1/16W	[D2]	R3252	MT-GLAZE	0.000 ZA 1/16W	[A4]
R1472	MT-GLAZE	1K JA 1/16W	[D2]	R3253	MT-GLAZE	18 JA 1/16W	[B4]
R1481	MT-GLAZE	0.000 ZA 1/16W	[D2]	R3258	MT-GALZE	3.3K JA 1/16W	[A5]
R1601	MT-GLAZE	470 JA 1/16W	[B4]	R3259	MT-GLAZE	1K JA 1/16W	[A5]
R1602	MT-GLAZE	10K JA 1/16W	[B4]	R3260	MT-GLAZE	3.9K JA 1/16W	[A5]
R1603	MT-GLAZE	8.2K JA 1/16W	[B4]	R3261	MT-GLAZE	10K JA 1/16W	[B5]
R1604	MT-GLAZE	5.6K JA 1/16W	[B4]	R3265	MT-GLAZE	120K JA 1/16W	[B4]
R1607	MT-GLAZE	10K JA 1/16W	[C4]	R3266	MT-GLAZE	6.8K JA 1/16W	[B4]
R1622	MT-GLAZE	1.5K JA 1/16W	[C4]	R3269	MT-GLAZE	10K JA 1/16W	[A4]
R1623	MT-GLAZE	8.2K JA 1/16W	[C4]	R3402	MT-GLAZE	1K JA 1/16W	[F5]
R1627	MT-GLAZE	1.8K JA 1/16W	[C5]	R3403	MT-GLAZE	220 JA 1/10W	[F5]
R1628	MT-GLAZE	2.7K JA 1/16W	[C4]	R3404	MT-GLAZE	1K JA 1/16W	[F5]
R1629	MT-GLAZE	1K JA 1/16W	[C5]	R3451	MT-GLAZE	100K JA 1/16W	[A4]
R1702	MT-GLAZE	0.000 ZA 1/16W	[E3]	R3452	MT-GLAZE	2.2K JA 1/16W	[A4]
R1801	MT-GLAZE	22 JA 1/16W	[D5]	R3453	MT-GLAZE	1.5K JA 1/16W	[A4]
R1802	MT-GLAZE	270 JA 1/16W	[D5]	R3454	MT-GLAZE	100K JA 1/16W	[A4]
R1803	MT-GLAZE	220 JA 1/16W	[D5]	R3455	MT-GLAZE	100 JA 1/10W	[B5]
R1804	MT-GLAZE	22K JA 1/16W	[D5]	R3458	MT-GLAZE	10K JA 1/16W	[A5]
R1805	MT-GLAZE	33K JA 1/16W	[D5]	R3459	MT-GLAZE	10K JA 1/16W	[A5]
R1901	MT-GALZE	3.3K JA 1/16W	[E5]	R3460	MT-GLAZE	100K JA 1/16W	[A5]
R1903	MT-GLAZE	36K JA 1/16W	[D5]	R3461	MT-GLAZE	10K JA 1/16W	[A5]
R1904	MT-GLAZE	8.2K JA 1/16W	[D5]	R3462	MT-GLAZE	100K JA 1/16W	[A5]
R1913	MT-GLAZE	36K JA 1/16W	[D4]	R3463	MT-GLAZE	10K JA 1/16W	[A5]
R1914	MT-GLAZE	10K JA 1/16W	[D5]	R3504	MT-GLAZE	47K JA 1/16W	[A3]

R3505	MT-GLAZE	10K JA 1/16W	[A3]
R3506	MT-GLAZE	270K JA 1/16W	[A3]
R3515	MT-GLAZE	10K JA 1/16W	[A3]
R3516	MT-GLAZE	100K JA 1/16W	[A3]
R3517	MT-GLAZE	2.2K JA 1/16W	[B5]
R3521	MT-GLAZE	10K JA 1/16W	[A3]
R3523	MT-GLAZE	10K JA 1/16W	[A3]
R3530	MT-GLAZE	220 JA 1/16W	[A4]
R3542	MT-GLAZE	0.000 ZA 1/16W	[C5]
R3601	MT-GLAZE	15K JA 1/16W	[B3]
R3602	MT-GLAZE	10K JA 1/16W	[B2]
R3603	MT-GLAZE	10K JA 1/16W	[B2]
R3604	MT-GLAZE	10K JA 1/16W	[B2]
R3605	MT-GLAZE	10K JA 1/16W	[B2]
R3606	MT-GLAZE	8.2K JA 1/16W	[B2]
R3607	MT-GLAZE	6.8K JA 1/16W	[B2]
R3608	MT-GLAZE	47K JA 1/16W	[A2]
R3609	MT-GLAZE	47K JA 1/16W	[A2]
R3610	MT-GLAZE	22K JA 1/16W	[A2]
R3612	MT-GLAZE	0.000 ZA 1/16W	[A2]
R3613	MT-GLAZE	470 JA 1/16W	[A2]
R3614	MT-GLAZE	470 JA 1/16W	[A2]
R3615	MT-GLAZE	33K JA 1/16W	[A2]
R3616	MT-GLAZE	180 JA 1/16W	[A3]
R3617	MT-GLAZE	100 JA 1/16W	[A3]
R3618	MT-GLAZE	330 JA 1/16W	[A3]
R3619	MT-GLAZE	0.000 ZA 1/16W	[B3]
R3621	MT-GLAZE	5.6 JA 1/16W	[B3]
R3622	MT-GLAZE	10K JA 1/16W	[B2]
R3707	MT-GLAZE	22K JA 1/16W	[H5]
R3708	MT-GLAZE	1.8K JA 1/16W	[H5]
R3709	MT-GLAZE	6.8K JA 1/16W	[H5]
R3715	MT-GLAZE	3.9K JA 1/16W	[G5]
R3716	MT-GLAZE	330 JA 1/16W	[G5]
R3807	MT-GLAZE	1K JA 1/16W	[G4]
RB356	CIP R-NETWORK,100K*2		[C5]
RB357	CIP R-NETWORK,100K*2		[C5]
T1201	FILTER		[C3]
T1202	FILTER		[C3]

CP1 BOARD (SIDE B)

CN103	
1	LI B
2	LI GND

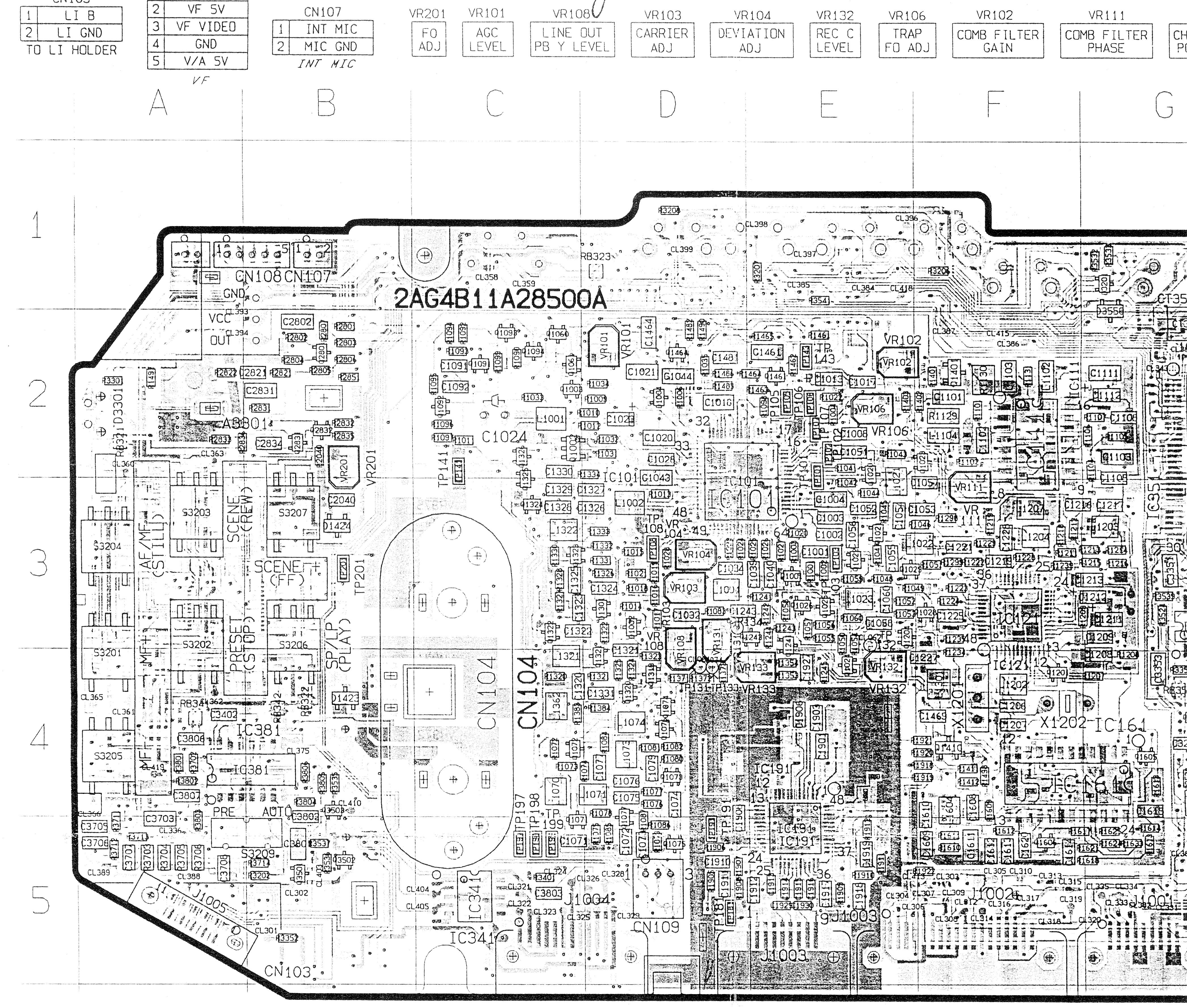
TO LI HOLDER

CN108	
1	VF HD
2	VF 5V
3	VF VIDEO
4	GND
5	V/A 5V

VF

CN107	
1	INT MIC
2	MIC GND

INT MIC



LEADLESS COMPONENT PARTS LOCATION GUIDE
CP1 BOARD (SIDE B)

C1002	CERAMIC	470P	J	50V	[E3]
C1003	CERAMIC	120P	J	50V	[E3]
C1004	CERAMIC	0.47U	Z	16V	[E3]
C1008	CERAMIC	1000P	K	50V	[E2]
C1013	TA-SOLID	3.3U	M	6.3V	[E2]
C1018	CERAMIC	0.47U	Z	16V	[D2]
C1020	CERAMIC	1U	Z	25V	[D2]
C1021	CERAMIC	0.47U	Z	16V	[D2]
C1023	TA-SOLID	1U	M	16V	[D2]
C1028	CERAMIC	0.047U	K	50V	[D2]
C1032	CERAMIC	220P	J	50V	[D3]
C1039	CERAMIC	330P	J	50V	[E3]
C1040	CERAMIC	390P	J	50V	[E3]
C1043	CERAMIC	1U	Z	25V	[D2]
C1044	CERAMIC	0.47U	Z	16V	[D2]
C1051	CERAMIC	100P	J	50V	[E2]
C1052	CERAMIC	100P	J	50V	[E3]
C1053	CERAMIC	15P	J	50V	[F3]
C1054	CERAMIC	68P	J	50V	[E3]
C1055	CERAMIC	27P	J	50V	[E3]
C1056	CERAMIC	33P	J	50V	[E3]
C1057	CERAMIC	27P	J	50V	[F3]
C1058	CERAMIC	56P	J	50V	[E3]
C1060	CERAMIC	150P	J	50V	[E3]
C1071	CERAMIC	15P	J	50V	[C5]
C1073	CERAMIC	120P	J	50V	[D5]
C1074	CERAMIC	68P	J	50V	[D4]
C1075	CERAMIC	220P	J	50V	[D4]
C1079	CERAMIC	100P	J	50V	[D4]
C1092	CERAMIC	330P	J	50V	[C2]
C1101	CERAMIC	1U	Z	25V	[F2]
C1102	CERAMIC	1000P	K	50V	[F2]
C1105	CERAMIC	1000P	K	50V	[G2]
C1108	CERAMIC	0.1U	Z	25V	[G2]
C1111	CERAMIC	1U	Z	25V	[G2]
C1208	TA-SOLID	1U	M	16V	[G4]
C1209	CERAMIC	330P	J	50V	[G3]
C1211	TA-SOLID	1U	M	16V	[G3]
C1212	CERAMIC	0.022U	M	50V	[G3]
C1213	TA-SOLID	0.68U	M	16V	[G3]
C1219	CERAMIC	1000P	K	50V	[F3]
C1221	CERAMIC	18P	J	50V	[F3]
C1225	CERAMIC	1000P	K	50V	[F3]
C1227	CERAMIC	150P	J	50V	[F4]
C1243	CERAMIC	1000P	K	50V	[D3]
C1320	CERAMIC	0.01U	K	50V	[C4]
C1321	CERAMIC	2200P	K	50V	[D4]
C1322	CERAMIC	22P	J	50V	[C3]
C1323	CERAMIC	0.01U	K	50V	[C3]
C1325	CERAMIC	5P	C	50V	[C3]
C1326	CERAMIC	27P	J	50V	[D3]
C1329	CERAMIC	22P	J	50V	[C3]
C1330	CERAMIC	5P	C	50V	[C2]
C1331	CERAMIC	0.1U	Z	25V	[D4]

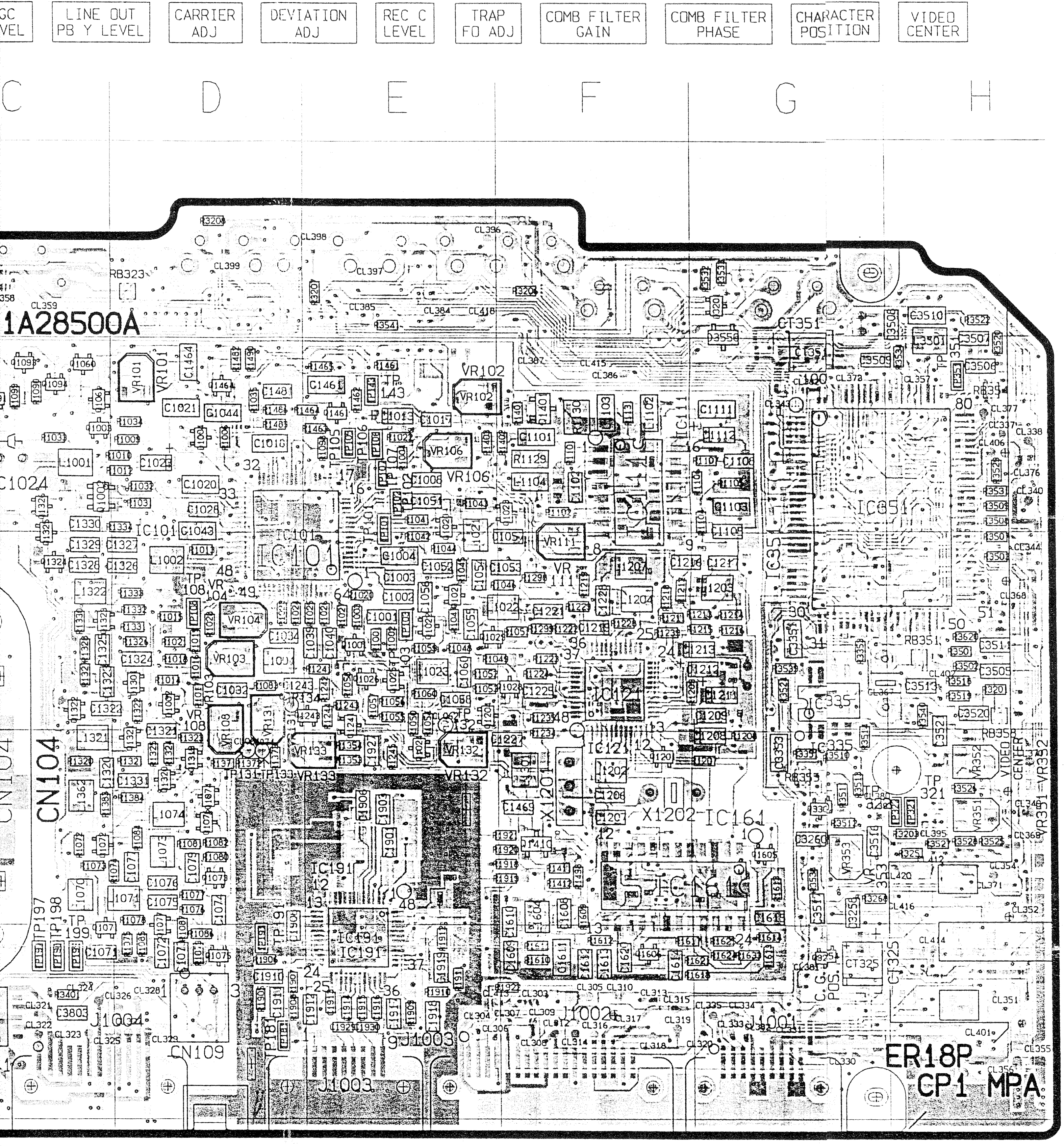
C1461	CERAMIC	1U	Z	25V	[E2]
C1469	CERAMIC	0.1U	Z	25V	[F4]
C1608	CERAMIC	12P	J	50V	[F4]
C1609	CERAMIC	47P	J	50V	[F5]
C1610	CERAMIC	56P	J	50V	[F4]
C1611	CERAMIC	1U	Z	25V	[F5]
C1613	CERAMIC	1000P	K	50V	[F5]
C1614	CERAMIC	1000P	K	50V	[F5]
C1615	CERAMIC	27P	J	50V	[G4]
C1620	CERAMIC	0.1U	Z	25V	[F5]
C1901	CERAMIC	1000P	K	50V	[E4]
C1903	CERAMIC	1000P	K	50V	[E4]
C1906	CERAMIC	1000P	K	50V	[E4]
C1908	CERAMIC	0.01U	K	50V	[D5]
C1910	CERAMIC	0.01U	K	50V	[D5]
C1911	CERAMIC	0.01U	K	50V	[D5]
C1912	CERAMIC	0.1U	Z	25V	[E5]
C1913	CERAMIC	0.1U	Z	25V	[E5]
C1914	CERAMIC	0.1U	Z	25V	[E5]
C1915	CERAMIC	0.1U	Z	25V	[E5]
C1916	CERAMIC	0.1U	Z	25V	[E5]
C1917	CERAMIC	0.1U	Z	25V	[E5]
C1918	CERAMIC	0.01U	K	50V	[E5]
C1919	CERAMIC	0.01U	K	50V	[E5]
C1927	CERAMIC	1000P	K	50V	[E4]
C1929	CERAMIC	15P	J	50V	[E5]
C1930	CERAMIC	10P	D	50V	[E5]
C2802	CERAMIC	0.1U	K	25V	[B2]
C2821	CERAMIC	0.018U	K	25V	[B2]
C2831	CERAMIC	0.15U	K	25V	[B2]
C2834	CERAMIC	5600P	K	50V	[B2]
C3258	CERAMIC	47P	J	50V	[G4]
C3260	CERAMIC	0.1U	Z	25V	[G4]
C3351	CERAMIC	1U	Z	25V	[G3]
C3353	CERAMIC	1U	Z	25V	[G4]
C3402	CERAMIC	220P	J	50V	[A4]
C3505	CERAMIC	0.1U	Z	25V	[H3]
C3508	CERAMIC	15P	J	50V	[H1]
C3509	CERAMIC	33P	J	50V	[G2]
C3510	CERAMIC	1U	Z	25V	[H1]
C3511	CERAMIC	0.01U	K	50V	[H3]
C3513	CERAMIC	0.1U	Z	25V	[H3]
C3517	CERAMIC	100P	J	50V	[G4]
C3520	CERAMIC	0.1U	Z	25V	[H3]
C3521	CERAMIC	0.01U	K	50V	[H4]
C3703	CERAMIC	0.22U	Z	50V	[A5]
C3705	CERAMIC	3300P	K	50V	[A5]
C3706	CERAMIC	3300P	K	50V	[A5]
C3707	CERAMIC	3300P	K	50V	[A5]
C3708	CERAMIC	0.01U	K	50V	[A5]
C3801	CERAMIC	1U	Z	25V	[B5]
C3802	CERAMIC	100P	J	50V	[B5]
C3803	CERAMIC	820P	J	50V	[C5]
C3806	CERAMIC	0.1U	Z	25V	[A4]
C3807	CERAMIC	0.01U	K	50V	[A4]
CT325	CAP,TRIM 30P-W				[G5]
D1004	DEODE DCG015-TL				[D2]

D1301	DIODE 1SS302-TE85L	[D3]
D3201	DEODE DCG015-TL	[G1]
D3550	ZENER DIODE RD8.2M-T1BB2	[G1]
IC101	IC CXA1207AR-T5	[D3]
IC111	IC CXL1506M-T3	[F2]
IC121	IC CXA1208R-T3	[F3]
IC161	IC CXA1203M-T1	[F4]
IC191	IC CXA1202R-T3	[E5]
IC335	IC S-8420BF-T1	[G3]
IC341	IC LB1638M-TP-T1	[C5]
IC351	IC CXP80724-142Q	[G2]
IC381	IC BA14741F-T1	[B4]
L1001	RF CHOKE	[C2]
L1002	RF CHOKE	[D3]
L1021	COIL,INDUCTOR 100U J	[E3]
L1022	HF CHOKE	[F3]
L1070	COIL,INDUCTOR 82U J	[C4]
L1073	COIL,INDUCTOR 33U J	[D4]
L1074	HF CHOKE	[D4]
L1102	CORE	[F2]
L1104	CORE	[F2]
L1204	COIL,INDUCTOR 100U J	[F3]
L1301	RF CHOKE	[F4]
L1321	HF CHOKE	[C4]
L1322	COIL,INDUCTOR 10U J	[C3]
L1362	COIL,INDUCTOR 10U J	[C4]
L1604	COIL,INDUCTOR 10U J	[F4]
L3501	RF CHOKE	[H2]
Q1002	TR FC108-TL	[C2]
Q1020	TR 2SC4211-6-TL	[E2]
Q1021	TR 2SA1622-6-TL	[E3]
Q1022	TR 2SC4211-6-TL	[E3]
Q1023	TR DTC144WU-T106	[F2]
Q1024	TR 2SC4211-6-TL	[E4]
Q1025	TR 2SC4211-6-TL	[E3]
Q1026	TR 2SA1676-TL	[E3]
Q1028	TR 2SA1676-TL	[F3]
Q1060	TR 2SC4396-TL	[C2]
Q1071	TR 2SC4211-6-TL	[C5]
Q1073	TR 2SC4211-6-TL	[D4]
Q1074	TR 2SC4211-6-TL	[D4]
Q1075	TR 2SC4396-TL	[D5]
Q1077	TR 2SC4211-6-TL	[D5]
Q1091	TR 2SA1622-6-TL	[C2]
Q1092	TR 2SC4211-6-TL	[C2]
Q1093	TR 2SC4396-TL	[C2]
Q1094	TR 2SC4396-TL	[C2]
Q1201	TR 2SC4211-6-TL	[F4]
Q1204	TR 2SA1676-TL	[E3]
Q1241	TR 2SC4211-6-TL	[E3]
Q1243	TR DTC144WU-T106	[E3]
Q1320	TR 2SC4396-TL	[D4]
Q1321	TR 2SC4211-6-TL	[D4]
Q1322	TR 2SA1676-TL	[C3]
Q1323	TR 2SC4211-6-TL	[C3]
Q1325	TR 2SA1676-TL	[C3]
Q1326	TR 2SA1676-TL	[C2]

Q1401	TR 2SB815-B7-TB				[F2]
Q1410	TR 2SB815-B7-TB				[F4]
Q1461	TR 2SA1622-6-TL				[E2]
Q1605	TR 2SA1676-TL				[G4]
Q1606	TR 2SA1676-TL				[F5]
Q2801	TR 2SC4211-6-TL				[B2]
Q2831	TR 2SC4211-6-TL				[B2]
Q2832	TR 2SC4211-6-TL				[B2]
Q3254	TR 2SC4396-TL				[G5]
Q3301	TR 2SA1677-TL				[G4]
Q3501	TR 2SA1677-TL				[B5]
Q3502	TR 2SC4396-TL				[B5]
Q3503	TR 2SC4211-6-TL				[B4]
R1001	MT-GLAZE	1K	JA	1/16W	[E3]
R1002	MT-GLAZE	680	JA	1/16W	[E3]
R1004	MT-GLAZE	27K	JA	1/16W	[E2]
R1006	MT-GLAZE	47K	JA	1/16W	[D2]
R1009	MT-GLAZE	1K	JA	1/16W	[D2]
R1010	MT-GLAZE	150	JA	1/16W	[D2]
R1011	MT-GLAZE	68	JA	1/16W	[C2]
R1012	MT-GLAZE	100K	JA	1/16W	[D2]
R1013	MT-GLAZE	470K	JA	1/16W	[D3]
R1014	MT-GLAZE	0.000	ZA	1/16W	[D3]
R1015	MT-GLAZE	2.2K	JA	1/16W	[D3]
R1018	MT-GLAZE	10K	JA	1/16W	[D3]
R1019	MT-GLAZE	4.7K	JA	1/16W	[D3]
R1020	MT-GLAZE	1K	JA	1/16W	[E3]
R1021	MT-GLAZE	1.8K	JA	1/16W	[D3]
R1022	MT-GLAZE	2.2K	JA	1/16W	[E2]
R1023	MT-GLAZE	6.8K	JA	1/16W	[D3]
R1024	MT-GLAZE	680	JA	1/16W	[D3]
R1025	MT-GLAZE	1.3K	JA	1/16W	[E3]
R1026	MT-GLAZE	470	JA	1/16W	[E3]
R1027	MT-GALZE	3.3K	JA	1/16W	[E3]
R1028	MT-GLAZE	8.2K	JA	1/16W	[D3]
R1031	MT-GLAZE	390K	JA	1/16W	[D2]
R1032	MT-GLAZE	390K	JA	1/16W	[D2]
R1033	MT-GLAZE	680	JA	1/16W	[C2]
R1041	MT-GLAZE	560	JA	1/16W	[E2]
R1042	MT-GLAZE	1K	JA	1/16W	[E3]
R1043	MT-GLAZE	680	JA	1/16W	[E2]
R1044	MT-GLAZE	470	JA	1/16W	[E3]
R1045	MT-GLAZE	2.4K	JA	1/16W	[E3]
R1047	MT-GLAZE	2.2K	JA	1/16W	[E3]
R1048	MT-GLAZE	1.2K	JA	1/16W	[E3]
R1049	MT-GLAZE	1.2K	JA	1/16W	[E3]
R1050	MT-GLAZE	470	JA	1/16W	[E3]
R1052	MT-FILM	820	DU	1/16W	[E3]
R1053	MT-FILM	180	DU	1/16W	[E3]
R1054	MT-GLAZE	1K	JA	1/16W	[E3]
R1055	MT-FILM	1K	DU	1/16W	[E3]
R1056	MT-GLAZE	150	JA	1/16W	[E3]
R1057	MT-GLAZE	150	JA	1/16W	[E3]
R1058	MT-GLAZE	1.5K	JA	1/16W	[E3]
R1059	MT-GLAZE	220	JA	1/16W	[E3]
R1060	MT-GLAZE	0.000	ZA	1/16W	[E3]
R1072	MT-GLAZE	10K	JA	1/16W	[C4]

R1073	MT-GLAZE	560	JA
R1074	MT-GLAZE	330	JA
R1075	MT-GLAZE	680	JA
R1076	MT-GLAZE	270	JA
R1078	MT-GLAZE	0.000	ZA
R1079	MT-GLAZE	470	JA
R1080	MT-GLAZE	560	JA
R1081	MT-GLAZE	27	JA
R1083	MT-GLAZE	220	JA
R1084	MT-GLAZE	22	JA
R1086	MT-GLAZE	560	JA
R1087	MT-GLAZE	270	JA
R1093	MT-GLAZE	10K	JA
R1094	MT-GLAZE	12K	JA
R1095	MT-GLAZE	12K	JA
R1096	MT-GLAZE	33K	JA
R1097	MT-GLAZE	47K	JA
R1098	MT-GLAZE	100K	JA
R1099	MT-GLAZE	2.2K	JA
R1101	MT-GLAZE	560K	JA
R1105	MT-GLAZE	0.000	ZA
R1106	MT-GLAZE	82K	JA
R1107	MT-GLAZE	120	JA
R1207	MT-GLAZE	1.5K	JA
R1208	MT-GLAZE	4.7K	JA
R1209	MT-GLAZE	5.6K	JA
R1219	MT-GLAZE	1.2K	JA
R1222	MT-GLAZE	1.2K	JA
R1224	MT-GLAZE	0.000	ZA
R1228	MT-GLAZE	0.000	ZA
R1229	MT-GLAZE	2.2K	JA
R1234	MT-GLAZE	2.7K	JA
R1235	MT-GLAZE	22K	JA
R1241	MT-GLAZE	330	JA
R1242	MT-GLAZE	100	JA
R1243	MT-GLAZE	1.2K	JA
R1244	MT-GLAZE	1K	JA
R1245	MT-GLAZE	2.2K	JA
R1298	MT-GLAZE	10K	JA
R1299	MT-GLAZE	10K	JA
R1320	MT-GLAZE	12K	JA
R1321	MT-GLAZE	10K	JA
R1322	MT-GLAZE	470	JA
R1323	MT-GLAZE	270	JA
R1325	MT-GLAZE	470	JA
R1326	MT-GLAZE	0.000	ZA
R1327	MT-GLAZE	1.8K	JA
R1328	MT-GLAZE	1.5K	JA
R1330	MT-GLAZE	1.8K	JA
R1331	MT-GLAZE	1.8K	JA
R1332	MT-GLAZE	560	JA
R1333	MT-GLAZE	120	JA
R1353	MT-FILM	3.9K	DU
R1354	MT-FILM	1.5K	DU
R1371	MT-FILM	1.8K	DU
R1372	MT-FILM	1.8K	DU
R1373	MT-FILM	390	D

CP1 BOARD (SIDE B)



J1001

1	CFG
2	CAP F/R
3	CAP ON
4	UNREG
5	UNREG
6	CAP VS
7	CAP VS
8	UNREG GND
9	UNREG GND

TO MECHA

J1003

1	GND
2	FE (X)
3	FE (Y)
4	GND
5	CH B (X)
6	CH B (Y)
7	GND
8	CH A (Y)
9	CH A (X)

CYLINDER

J1005

1	NOT USED
2	RF SW1
3	PB RF
4	RF SW2
5	FO
6	CCD ON
7	NOT USED
8	Y+C IN
9	C IN
10	Y IN
11	GND

CHECK

J1002

1	MODE SW 2
2	MODE SW 1
3	MODE SW 0
4	DEW SENS
5	GND
6	CST DOWN
7	REC PROOF
8	MP/ME
9	GND
10	S REEL(+)
11	S REEL(-)
12	REEL ON
13	T REEL(+)
14	T REEL(-)
15	TAPE END
16	TAPE TOP
17	MOTOR POWER
18	T/E LED

TO MECHA

J1004

1	UN LOAD
2	UN LOAD
3	LOAD
4	LOAD
5	DFG(+)
6	COM
7	DPG(+)
8	DRUM COM
9	DRUM W
10	DRUM V
11	DRUM U

TO MECHA

D1301	DIODE 1SS302-TE85L		[D3]
D3201	DEODE DCG015-TL		[G1]
D3550	ZENER DIODE RD8.2M-T1BB2		[G1]
IC101	IC CXA1207AR-T5		[D3]
IC111	IC CXL1506M-T3		[F2]
IC121	IC CXA1208R-T3		[F3]
IC161	IC CXA1203M-T1		[F4]
IC191	IC CXA1202R-T3		[E5]
IC335	IC S-8420BF-T1		[G3]
IC341	IC LB1638M-TP-T1		[C5]
IC351	IC CXP80724-142Q		[G2]
IC381	IC BA14741F-T1		[B4]
L1001	RF CHOKE		[C2]
L1002	RF CHOKE		[D3]
L1021	COIL,INDUCTOR	100U J	[E3]
L1022	HF CHOKE		[F3]
L1070	COIL,INDUCTOR	82U J	[C4]
L1073	COIL,INDUCTOR	33U J	[D4]
L1074	HF CHOKE		[D4]
L1102	CORE		[F2]
L1104	CORE		[F2]
L1204	COIL,INDUCTOR	100U J	[F3]
L1301	RF CHOKE		[F4]
L1321	HF CHOKE		[C4]
L1322	COIL,INDUCTOR	10U J	[C3]
L1362	COIL,INDUCTOR	10U J	[C4]
L1604	COIL,INDUCTOR	10U J	[F4]
L3501	RF CHOKE		[H2]
Q1002	TR FC108-TL		[C2]
Q1020	TR 2SC4211-6-TL		[E2]
Q1021	TR 2SA1622-6-TL		[E3]
Q1022	TR 2SC4211-6-TL		[E3]
Q1023	TR DTC144WU-T106		[F2]
Q1024	TR 2SC4211-6-TL		[E4]
Q1025	TR 2SC4211-6-TL		[E3]
Q1026	TR 2SA1676-TL		[E3]
Q1028	TR 2SA1676-TL		[F3]
Q1060	TR 2SC4396-TL		[C2]
Q1071	TR 2SC4211-6-TL		[C5]
Q1073	TR 2SC4211-6-TL		[D4]
Q1074	TR 2SC4211-6-TL		[D4]
Q1075	TR 2SC4396-TL		[D5]
Q1077	TR 2SC4211-6-TL		[D5]
Q1091	TR 2SA1622-6-TL		[C2]
Q1092	TR 2SC4211-6-TL		[C2]
Q1093	TR 2SC4396-TL		[C2]
Q1094	TR 2SC4396-TL		[C2]
Q1201	TR 2SC4211-6-TL		[F4]
Q1204	TR 2SA1676-TL		[E3]
Q1241	TR 2SC4211-6-TL		[E3]
Q1243	TR DTC144WU-T106		[E3]
Q1320	TR 2SC4396-TL		[D4]
Q1321	TR 2SC4211-6-TL		[D4]
Q1322	TR 2SA1676-TL		[C3]
Q1323	TR 2SC4211-6-TL		[C3]
Q1325	TR 2SA1676-TL		[C3]
Q1326	TR 2SA1676-TL		[C2]

Q1401	TR 2SB815-B7-TB		[F2]
Q1410	TR 2SB815-B7-TB		[F4]
Q1461	TR 2SA1622-6-TL		[E2]
Q1605	TR 2SA1676-TL		[G4]
Q1606	TR 2SA1676-TL		[F5]
Q2801	TR 2SC4211-6-TL		[B2]
Q2831	TR 2SC4211-6-TL		[B2]
Q2832	TR 2SC4211-6-TL		[B2]
Q3254	TR 2SC4396-TL		[G5]
Q3301	TR 2SA1677-TL		[G4]
Q3501	TR 2SA1677-TL		[B5]
Q3502	TR 2SC4396-TL		[B5]
Q3503	TR 2SC4211-6-TL		[B4]
R1001	MT-GLAZE	1K JA 1/16W	[E3]
R1002	MT-GLAZE	680 JA 1/16W	[E3]
R1004	MT-GLAZE	27K JA 1/16W	[E2]
R1006	MT-GLAZE	47K JA 1/16W	[D2]
R1009	MT-GLAZE	1K JA 1/16W	[D2]
R1010	MT-GLAZE	150 JA 1/16W	[D2]
R1011	MT-GLAZE	68 JA 1/16W	[C2]
R1012	MT-GLAZE	100K JA 1/16W	[D2]
R1013	MT-GLAZE	470K JA 1/16W	[D3]
R1014	MT-GLAZE	0.000 ZA 1/16W	[D3]
R1015	MT-GLAZE	2.2K JA 1/16W	[D3]
R1018	MT-GLAZE	10K JA 1/16W	[D3]
R1019	MT-GLAZE	4.7K JA 1/16W	[D3]
R1020	MT-GLAZE	1K JA 1/16W	[E3]
R1021	MT-GLAZE	1.8K JA 1/16W	[D3]
R1022	MT-GLAZE	2.2K JA 1/16W	[E2]
R1023	MT-GLAZE	6.8K JA 1/16W	[D3]
R1024	MT-GLAZE	680 JA 1/16W	[D3]
R1025	MT-GLAZE	1.3K JA 1/16W	[E3]
R1026	MT-GLAZE	470 JA 1/16W	[E3]
R1027	MT-GALZE	3.3K JA 1/16W	[E3]
R1028	MT-GLAZE	8.2K JA 1/16W	[D3]
R1031	MT-GLAZE	390K JA 1/16W	[D2]
R1032	MT-GLAZE	390K JA 1/16W	[D2]
R1033	MT-GLAZE	680 JA 1/16W	[C2]
R1041	MT-GLAZE	560 JA 1/16W	[E2]
R1042	MT-GLAZE	1K JA 1/16W	[E3]
R1043	MT-GLAZE	680 JA 1/16W	[E2]
R1044	MT-GLAZE	470 JA 1/16W	[E3]
R1045	MT-GLAZE	2.4K JA 1/16W	[E3]
R1047	MT-GLAZE	2.2K JA 1/16W	[E3]
R1048	MT-GLAZE	1.2K JA 1/16W	[E3]
R1049	MT-GLAZE	1.2K JA 1/16W	[E3]
R1050	MT-GLAZE	470 JA 1/16W	[E3]
R1052	MT-FILM	820 DU 1/16W	[E3]
R1053	MT-FILM	180 DU 1/16W	[E3]
R1054	MT-GLAZE	1K JA 1/16W	[E3]
R1055	MT-FILM	1K DU 1/16W	[E3]
R1056	MT-GLAZE	150 JA 1/16W	[E3]
R1057	MT-GLAZE	150 JA 1/16W	[E3]
R1058	MT-GLAZE	1.5K JA 1/16W	[E3]
R1059	MT-GLAZE	220 JA 1/16W	[E3]
R1060	MT-GLAZE	0.000 ZA 1/16W	[E3]
R1072	MT-GLAZE	10K JA 1/16W	[C4]

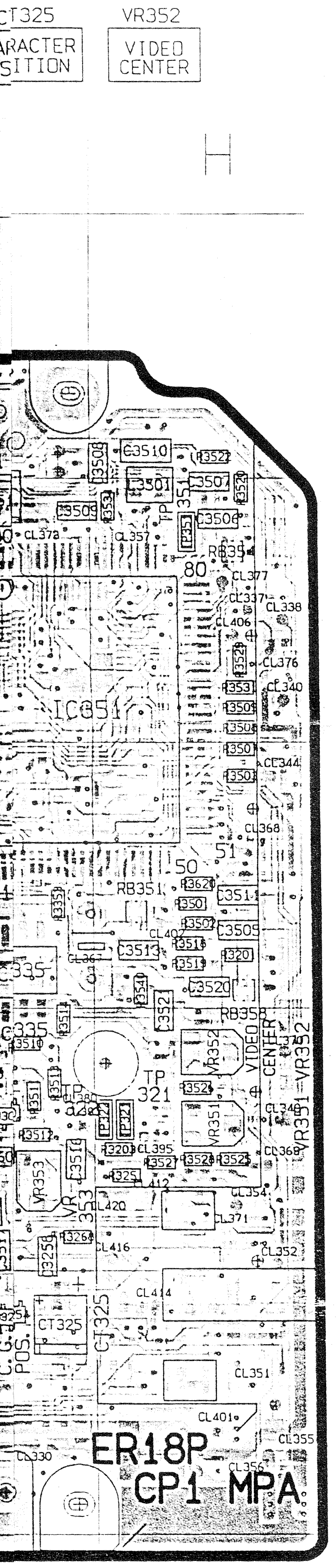
R1073	MT-GLAZE	560 JA 1/16W	[C4]
R1074	MT-GLAZE	330 JA 1/16W	[D4]
R1075	MT-GLAZE	680 JA 1/16W	[D5]
R1076	MT-GLAZE	270 JA 1/16W	[D4]
R1078	MT-GLAZE	0.000 ZA 1/16W	[D4]
R1079	MT-GLAZE	470 JA 1/16W	[D5]
R1080	MT-GLAZE	560 JA 1/16W	[D4]
R1081	MT-GLAZE	27 JA 1/16W	[D4]
R1083	MT-GLAZE	220 JA 1/16W	[D3]
R1084	MT-GLAZE	22 JA 1/16W	[D4]
R1086	MT-GLAZE	560 JA 1/16W	[D5]
R1087	MT-GLAZE	270 JA 1/16W	[D5]
R1093	MT-GLAZE	10K JA 1/16W	[C2]
R1094	MT-GLAZE	12K JA 1/16W	[C2]
R1095	MT-GLAZE	12K JA 1/16W	[C2]
R1096	MT-GLAZE	33K JA 1/16W	[C2]
R1097	MT-GLAZE	47K JA 1/16W	[C2]
R1098	MT-GLAZE	100K JA 1/16W	[E2]
R1099	MT-GLAZE	2.2K JA 1/16W	[C2]
R1101	MT-GLAZE	560K JA 1/16W	[F2]
R1105	MT-GLAZE	0.000 ZA 1/16W	[G2]
R1106	MT-GLAZE	82K JA 1/16W	[G2]
R1107	MT-GLAZE	120 JA 1/16W	[G2]
R1207	MT-GLAZE	1.5K JA 1/16W	[G4]
R1208	MT-GLAZE	4.7K JA 1/16W	[G4]
R1209	MT-GLAZE	5.6K JA 1/16W	[F3]
R1219	MT-GLAZE	1.2K JA 1/16W	[F3]
R1222	MT-GLAZE	1.2K JA 1/16W	[F3]
R1224	MT-GLAZE	0.000 ZA 1/16W	[F3]
R1228	MT-GLAZE	0.000 ZA 1/16W	[F3]
R1229	MT-GLAZE	2.2K JA 1/16W	[F3]
R1234	MT-GLAZE	2.7K JA 1/16W	[F4]
R1235	MT-GLAZE	22K JA 1/16W	[F3]
R1241	MT-GLAZE	330 JA 1/16W	[E3]
R1242	MT-GLAZE	100 JA 1/16W	[E3]
R1243	MT-GLAZE	1.2K JA 1/16W	[E3]
R1244	MT-GLAZE	1K JA 1/16W	[E3]
R1245	MT-GLAZE	2.2K JA 1/16W	[E4]
R1298	MT-GLAZE	10K JA 1/16W	[F3]
R1299	MT-GLAZE	10K JA 1/16W	[F3]
R1320	MT-GLAZE	12K JA 1/16W	[C4]
R1321	MT-GLAZE	10K JA 1/16W	[D4]
R1322	MT-GLAZE	470 JA 1/16W	[D3]
R1323	MT-GLAZE	270 JA 1/16W	[D4]
R1325	MT-GLAZE	470 JA 1/16W	[D4]
R1326	MT-GLAZE	0.000 ZA 1/16W	[D3]
R1327	MT-GLAZE	1.8K JA 1/16W	[C3]
R1328	MT-GLAZE	1.5K JA 1/16W	[C3]
R1330	MT-GLAZE	1.8K JA 1/16W	[C3]
R1331	MT-GLAZE	1.8K JA 1/16W	[D3]
R1332	MT-GLAZE	560 JA 1/16W	[D3]
R1333	MT-GLAZE	120 JA 1/16W	[D3]
R1353	MT-FILM	3.9K DU 1/16W	[E4]
R1354	MT-FILM	1.5K DU 1/16W	[E4]
R1371	MT-FILM	1.8K DU 1/16W	[D4]
R1372	MT-FILM	1.8K DU 1/16W	[D4]
R1373	MT-FILM	390 DU 1/16W	[D4]

R1383	MT-GLAZE	1.5K JA 1/16W	[C4]
R1384	MT-GLAZE	820 JA 1/16W	[D4]
R1402	MT-GLAZE	4.7K JA 1/16W	[F2]
R1403	MT-GLAZE	4.7K JA 1/16W	[E2]
R1412	MT-GLAZE	4.7K JA 1/16W	[F4]
R1461	MT-GLAZE	1K JA 1/16W	[E2]
R1462	MT-GLAZE	1K JA 1/16W	[E2]
R1463	MT-GLAZE	1.8K JA 1/16W	[E2]
R1464	MT-GLAZE	1M JA 1/16W	[E2]
R1465	MT-GLAZE	10K JA 1/16W	[E2]
R1486	MT-GLAZE	0.000 ZA 1/16W	[D2]
R1490	MT-GLAZE	3.9K JA 1/16W	[D2]
R1497	MT-GLAZE	0.000 ZA 1/16W	[A2]
R1498	MT-GLAZE	1.5K JA 1/16W	[F4]
R1609	MT-GLAZE	180 JA 1/16W	[F4]
R1611	MT-GLAZE	120 JA 1/16W	[F5]
R1612	MT-GLAZE	100K JA 1/16W	[F5]
R1613	MT-GLAZE	220 JA 1/16W	[G4]
R1614	MT-GLAZE	1.2K JA 1/16W	[G5]
R1617	MT-GLAZE	47K JA 1/16W	[F5]
R1618	MT-GLAZE	560 JA 1/16W	[G5]
R1619	MT-GLAZE	27K JA 1/16W	[G5]
R1621	MT-GLAZE	100K JA 1/16W	[G5]
R1624	MT-GLAZE	33K JA 1/16W	[G5]
R1625	MT-GLAZE	22K JA 1/16W	[G5]
R1633	MT-GLAZE	27K JA 1/16W	[G5]
R1905	MT-GLAZE	22K JA 1/16W	[D5]
R1906	MT-GLAZE	1.5K JA 1/16W	[D5]
R1907	MT-GLAZE	47K JA 1/16W	[D5]
R1908	MT-GLAZE	24K JA 1/16W	[D5]
R1909	MT-GLAZE	39K JA 1/16W	[E5]
R1910	MT-GLAZE	47K JA 1/16W	[E5]
R1911	MT-GLAZE	22K JA 1/16W	[E5]
R1912	MT-GLAZE	1.5K JA 1/16W	[E5]
R1918	MT-GLAZE	33K JA 1/16W	[F4]
R1919	MT-GLAZE	180K JA 1/16W	[F4]
R1920	MT-GLAZE	33K JA 1/16W	[F4]
R1921	MT-GLAZE	180K JA 1/16W	[F4]
R2801	MT-FILM	2.2K DU 1/16W	[B2]
R2802	MT-FILM	100K DD 1/16W	[B2]
R2803	MT-FILM	100K DD 1/16W	[B2]
R2804	MT-FILM	2.2K DU 1/16W	[B2]
R2805	MT-FILM	1.2K DU 1/16W	[B2]
R2806	MT-FILM	1K DU 1/16W	[B2]
R2821	MT-FILM	2.2K DU 1/16W	[B2]
R2822	MT-GLAZE	0.000 ZA 1/16W	[A2]
R2831	MT-FILM	22K DU 1/16W	[B2]
R2832	MT-GLAZE	27K JA 1/16W	[B2]
R2833	MT-FILM	180 DU 1/16W	[A2]
R2835	MT-GLAZE	2.2K JA 1/16W	[B2]
R2836	MT-FILM	4.7K DU 1/16W	[A2]
R2851	MT-GLAZE	220 JA 1/16W	[B2]
R3201	MT-GLAZE	100K JA 1/16W	[H3]
R3202	MT-GLAZE	100K JA 1/16W	[B5]
R3203	MT-GLAZE	10K JA 1/16W	[H4]
R3206	MT-GALZE	3.3K JA 1/16W	[F1]
R3207	MT-GLAZE	6.8K JA 1/16W	[E1]

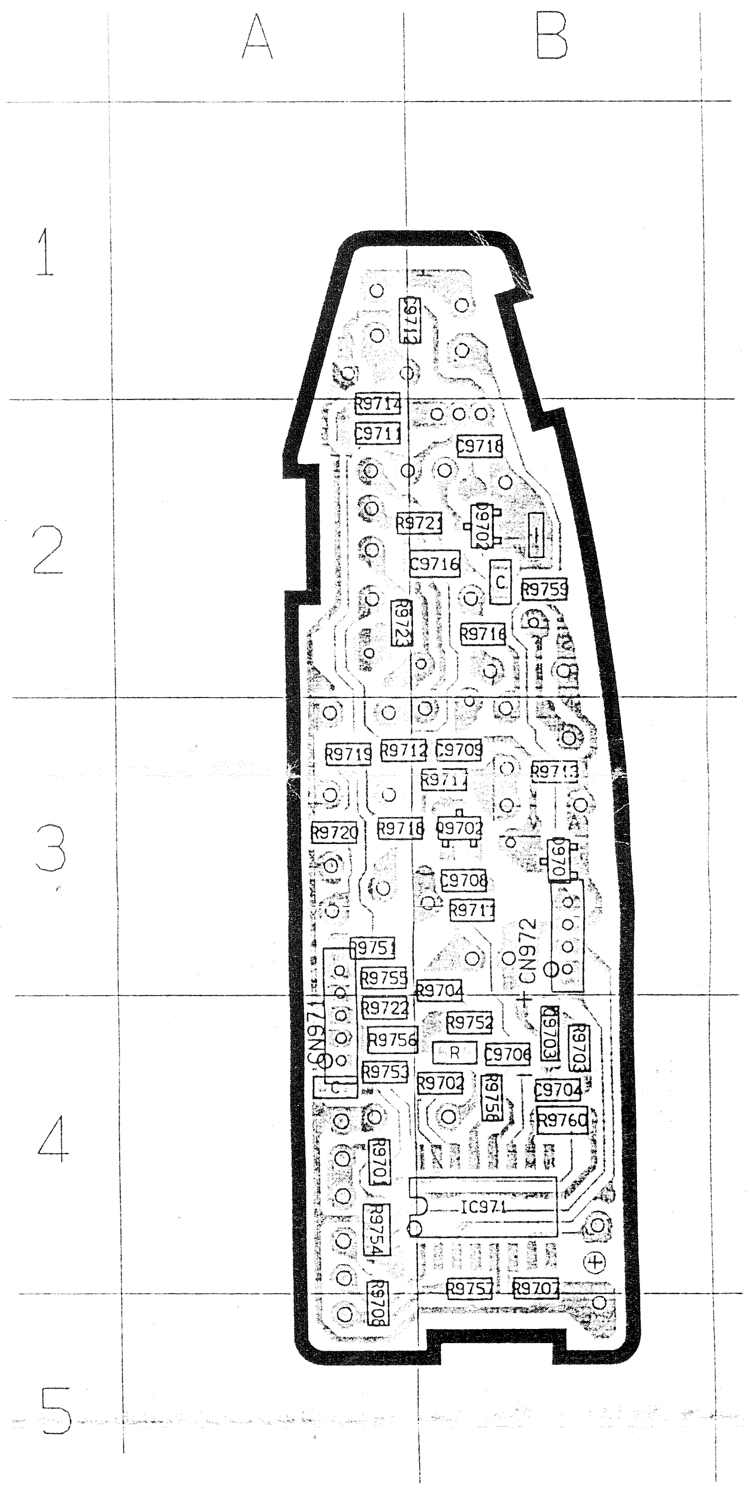
R3208	MT-GLAZE	22K JA 1/16W
R3251	MT-GLAZE	10K JA 1/16W
R3268	MT-GLAZE	10K JA 1/16W
R3301	MT-GLAZE	470 JA 1/16W
R3351	MT-GLAZE	100K JA 1/16W
R3352	MT-GLAZE	1K JA 1/16W
R3353	MT-GLAZE	10K JA 1/16W
R3401	MT-GLAZE	1K JA 1/16W
R3501	MT-FILM	10K DU 1/16W
R3502	MT-FILM	10K DU 1/16W
R3503	MT-GLAZE	0.000 ZA 1/16W
R3508	MT-GLAZE	100K JA 1/16W
R3510	MT-GLAZE	100K JA 1/16W
R3511	MT-GLAZE	10K JA 1/16W
R3512	MT-GLAZE	10K JA 1/16W
R3513	MT-GLAZE	10K JA 1/16W
R3514	MT-GLAZE	10K JA 1/16W
R3518	MT-GLAZE	10K JA 1/16W
R3520	MT-GLAZE	10K JA 1/16W
R3522	MT-GLAZE	10K JA 1/16W
R3524	MT-GLAZE	100K JA 1/16W
R3525	MT-GLAZE	15K JA 1/16W
R3526	MT-GLAZE	0.000 ZA 1/16W
R3527	MT-FILM	100K DD 1/16W
R3528	MT-FILM	100K DD 1/16W
R3531	MT-GLAZE	0.000 ZA 1/16W
R3534	MT-GLAZE	270K JA 1/16W

LEADLESS COMPONENT PARTS LOCATI
VF1 BOARD (SIDE B)

C9703	TA-SOLID	1U M	16
C9704	CERAMIC	1500P K	50
C9706	CERAMIC	1U Z	16
C9708	CERAMIC	47P J	50
C9709	CERAMIC	0.1U Z	50
C9711	CERAMIC	0.1U Z	25
C9716	CERAMIC	0.022U K	100
C9718	CERAMIC	1000P J	50
D9701	DIODE DSB010-TB		
D9702	DIODE SB02-09CP-TB		
IC971	IC BA7149F-T1		
Q9702	TR 2SA1257-G5-TB		



VF1 BOARD (SIDE B)



J1001

1	CFG
2	CAP F/R
3	CAP ON
4	UNREG
5	UNREG
6	CAP VS
7	CAP VS
8	UNREG GND
9	UNREG GND

TO MECHA

J1003

1	GND
2	FE (X)
3	FE (Y)
4	GND
5	CH B (X)
6	CH B (Y)
7	GND
8	CH A (Y)
9	CH A (X)

CYLINDER

J1005

1	NOT USED
2	RF SW1
3	PB RF
4	RF SW2
5	FO
6	CCD ON
7	NOT USED
8	Y+C IN
9	C IN
10	Y IN
11	GND

CHECK

J1002

1	MODE SW 2
2	MODE SW 1
3	MODE SW 0
4	DEW SENS
5	GND
6	CST DOWN
7	REC PROOF
8	MP/ME
9	GND
10	S REEL(+)
11	S REEL(-)
12	REEL ON
13	T REEL(+)
14	T REEL(-)
15	TAPE END
16	TAPE TOP
17	MOTOR POWER
18	T/E LED

TO MECHA

J1004

1	UN LOAD
2	UN LOAD
3	LOAD
4	LOAD
5	DFG(+)
6	COM
7	DPG(+)
8	DRUM COM
9	DRUM W
10	DRUM V
11	DRUM U

TO MECHA

CN971

1	V/A 5V
2	GND
3	VIDEO
4	VF 5V
5	VF HD

CN972

1	DV1
2	DV2
3	DH1
4	DH2

1/16W	[C4]
1/16W	[D4]
1/16W	[D5]
1/16W	[D4]
1/16W	[D4]
1/16W	[D5]
1/16W	[D4]
1/16W	[D4]
1/16W	[D3]
1/16W	[D4]
1/16W	[D5]
1/16W	[D5]
1/16W	[C2]
1/16W	[C2]
1/16W	[C2]
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1/16W	[C3]
1/16W	[C3]
1/16W	[D3]
1/16W	[D3]
1/16W	[D3]
1/16W	[E4]
1/16W	[E4]
1/16W	[D4]
1/16W	[D4]
1/16W	[D4]

R1383	MT-GLAZE	1.5K JA 1/16W	[C4]
R1384	MT-GLAZE	820 JA 1/16W	[D4]
R1402	MT-GLAZE	4.7K JA 1/16W	[F2]
R1403	MT-GLAZE	4.7K JA 1/16W	[E2]
R1412	MT-GLAZE	4.7K JA 1/16W	[F4]
R1461	MT-GLAZE	1K JA 1/16W	[E2]
R1462	MT-GLAZE	1K JA 1/16W	[E2]
R1463	MT-GLAZE	1.8K JA 1/16W	[E2]
R1464	MT-GLAZE	1M JA 1/16W	[E2]
R1465	MT-GLAZE	10K JA 1/16W	[E2]
R1486	MT-GLAZE	0.000 ZA 1/16W	[D2]
R1490	MT-GLAZE	3.9K JA 1/16W	[D2]
R1497	MT-GLAZE	0.000 ZA 1/16W	[A2]
R1498	MT-GLAZE	1.5K JA 1/16W	[F4]
R1609	MT-GLAZE	180 JA 1/16W	[F4]
R1611	MT-GLAZE	120 JA 1/16W	[F5]
R1612	MT-GLAZE	100K JA 1/16W	[F5]
R1613	MT-GLAZE	220 JA 1/16W	[G4]
R1614	MT-GLAZE	1.2K JA 1/16W	[G5]
R1617	MT-GLAZE	47K JA 1/16W	[F5]
R1618	MT-GLAZE	560 JA 1/16W	[G5]
R1619	MT-GLAZE	27K JA 1/16W	[G5]
R1621	MT-GLAZE	100K JA 1/16W	[G5]
R1624	MT-GLAZE	33K JA 1/16W	[G5]
R1625	MT-GLAZE	22K JA 1/16W	[G5]
R1633	MT-GLAZE	27K JA 1/16W	[G5]
R1905	MT-GLAZE	22K JA 1/16W	[D5]
R1906	MT-GLAZE	1.5K JA 1/16W	[D5]
R1907	MT-GLAZE	47K JA 1/16W	[D5]
R1908	MT-GLAZE	24K JA 1/16W	[D5]
R1909	MT-GLAZE	39K JA 1/16W	[E5]
R1910	MT-GLAZE	47K JA 1/16W	[E5]
R1911	MT-GLAZE	22K JA 1/16W	[E5]
R1912	MT-GLAZE	1.5K JA 1/16W	[E5]
R1918	MT-GLAZE	33K JA 1/16W	[F4]
R1919	MT-GLAZE	180K JA 1/16W	[F4]
R1920	MT-GLAZE	33K JA 1/16W	[F4]
R1921	MT-GLAZE	180K JA 1/16W	[F4]
R2801	MT-FILM	2.2K DU 1/16W	[B2]
R2802	MT-FILM	100K DD 1/16W	[B2]
R2803	MT-FILM	100K DD 1/16W	[B2]
R2804	MT-FILM	2.2K DU 1/16W	[B2]
R2805	MT-FILM	1.2K DU 1/16W	[B2]
R2806	MT-FILM	1K DU 1/16W	[B2]
R2821	MT-FILM	2.2K DU 1/16W	[B2]
R2822	MT-GLAZE	0.000 ZA 1/16W	[A2]
R2831	MT-FILM	22K DU 1/16W	[B2]
R2832	MT-GLAZE	27K JA 1/16W	[B2]
R2833	MT-FILM	180 DU 1/16W	[A2]
R2835	MT-GLAZE	2.2K JA 1/16W	[B2]
R2836	MT-FILM	4.7K DU 1/16W	[A2]
R2851	MT-GLAZE	220 JA 1/16W	[B2]
R3201	MT-GLAZE	100K JA 1/16W	[H3]
R3202	MT-GLAZE	100K JA 1/16W	[B5]
R3203	MT-GLAZE	10K JA 1/16W	[H4]
R3206	MT-GALZE	3.3K JA 1/16W	[F1]
R3207	MT-GLAZE	6.8K JA 1/16W	[E1]

R3208	MT-GLAZE	22K JA 1/16W	[D1]
R3251	MT-GLAZE	10K JA 1/16W	[H4]
R3268	MT-GLAZE	10K JA 1/16W	[G4]
R3301	MT-GLAZE	470 JA 1/16W	[A2]
R3351	MT-GLAZE	100K JA 1/16W	[G4]
R3352	MT-GLAZE	1K JA 1/16W	[B5]
R3353	MT-GLAZE	10K JA 1/16W	[G3]
R3401	MT-GLAZE	1K JA 1/16W	[C5]
R3501	MT-FILM	10K DU 1/16W	[H3]
R3502	MT-FILM	10K DU 1/16W	[H3]
R3503	MT-GLAZE	0.000 ZA 1/16W	[H3]
R3508	MT-GLAZE	100K JA 1/16W	[H2]
R3510	MT-GLAZE	100K JA 1/16W	[G4]
R3511	MT-GLAZE	10K JA 1/16W	[G4]
R3512	MT-GLAZE	10K JA 1/16W	[G4]
R3513	MT-GLAZE	10K JA 1/16W	[G4]
R3514	MT-GLAZE	10K JA 1/16W	[G4]
R3518	MT-GLAZE	10K JA 1/16W	[H3]
R3520	MT-GLAZE	10K JA 1/16W	[H2]
R3522	MT-GLAZE	10K JA 1/16W	[H1]
R3524	MT-GLAZE	100K JA 1/16W	[G3]
R3525	MT-GLAZE	15K JA 1/16W	[H4]
R3526	MT-GLAZE	0.000 ZA 1/16W	[H4]
R3527	MT-FILM	100K DD 1/16W	[H4]
R3528	MT-FILM	100K DD 1/16W	[H4]
R3531	MT-GLAZE	0.000 ZA 1/16W	[H2]
R3534	MT-GLAZE	270K JA 1/16W	[H2]

R3535	MT-GLAZE	1K JA 1/16W	[B4]
R3536	MT-GLAZE	47K JA 1/16W	[B5]
R3537	MT-GLAZE	47K JA 1/16W	[B5]
R3538	MT-GLAZE	470 JA 1/16W	[G4]
R3541	MT-GLAZE	1K JA 1/16W	[E1]
R3620	MT-GLAZE	100K JA 1/16W	[H3]
R3702	MT-GLAZE	390 JA 1/16W	[A4]
R3703	MT-GLAZE	1 JA 1/10W	[A5]
R3704	MT-GLAZE	1 JA 1/10W	[A5]
R3705	MT-GLAZE	1 JA 1/10W	[A5]
R3706	MT-GLAZE	1 JA 1/10W	[A5]
R3711	MT-GLAZE	27K JA 1/16W	[A5]
R3712	MT-GLAZE	27K JA 1/16W	[A5]
R3713	MT-GLAZE	27K JA 1/16W	[A5]
R3714	MT-GLAZE	10K JA 1/16W	[B5]
R3801	MT-GLAZE	15K JA 1/16W	[A4]
R3802	MT-GLAZE	10K JA 1/16W	[A4]
R3803	MT-GLAZE	1M JA 1/16W	[A5]
R3804	MT-GLAZE	1M JA 1/16W	[B4]
R3805	MT-GLAZE	10K JA 1/16W	[B4]
R3806	MT-GLAZE	10K JA 1/16W	[B4]
RB321	CIP	R-NETWORK,100K*2	[A2]
RB322	CIP	R-NETWORK,100K*2	[B4]
RB323	CIP	R-NETWORK,100K*2	[D1]
RB341	CIP	R-NETWORK, 10K*2	[A4]
RB342	CIP	R-NETWORK, 10K*2	[B4]
RB351	CIP	R-NETWORK, 1K*2	[H3]

RB354	CIP	R-NETWORK, 1K*2	[H2]
RB355	CIP	R-NETWORK,100K*2	[G4]
RB358	CIP	R-NETWORK,100K*2	[H3]
S3201	SW,PUSH		[A4]
S3202	SW,PUSH		[A3]
S3203	SW,PUSH		[A3]
S3204	SW,PUSH		[A3]
S3205	SW,PUSH		[A4]
S3206	SW,PUSH		[B3]
S3207	SW,PUSH		[B3]
TP101	TERMINAL		[E2]
TP102	TERMINAL		[E2]
TP103	TERMINAL		[E3]
TP191	TERMINAL		[D5]
TP201	TERMINAL		[B3]
VR101	SVR	47K	[D2]
VR102	SVR	47K	[E2]
VR103	SVR	4.7K	[D3]
VR104	SVR	4.7K	[D3]
VR106	SVR	22K	[E2]
VR108	SVR	220	[D3]
VR111	SVR	2.2K	[F3]
VR132	SVR	4.7K	[E4]
VR201	SVR	10K	[B2]
VR352	SVR	47K	[H4]

LEADLESS COMPONENT PARTS LOCATION GUIDE
VF1 BOARD (SIDE B)

C9703	TA-SOLID	1U M 16V	[B4]
C9704	CERAMIC	1500P K 50V	[B4]
C9706	CERAMIC	1U Z 16V	[B4]
C9708	CERAMIC	47P J 50V	[B3]
C9709	CERAMIC	0.1U Z 50V	[B3]
C9711	CERAMIC	0.1U Z 25V	[A2]
C9716	CERAMIC	0.022U K 100V	[B2]
C9718	CERAMIC	1000P J 50V	[B2]
D9701	DIODE	DSB010-TB	[B3]
D9702	DIODE	SB02-09CP-TB	[B2]
IC971	IC	BA7149F-T1	[B4]
Q9702	TR	2SA1257-G5-TB	[B3]

R9701	MT-GLAZE	100K JA 1/10W	[A4]
R9702	MT-GLAZE	390K JA 1/10W	[B4]
R9703	MT-GLAZE	39K JA 1/10W	[B4]
R9704	MT-GLAZE	27 JA 1/10W	[B3]
R9707	MT-GLAZE	18K JA 1/10W	[B4]
R9708	MT-GLAZE	3.9 JA 1/10W	[A5]
R9711	MT-GLAZE	4.7K GA 1/10W	[B3]
R9712	MT-GLAZE	22K GA 1/10W	[A3]
R9713	MT-GLAZE	3.3M JA 1/10W	[B3]
R9714	MT-GLAZE	330 JA 1/10W	[A2]
R9716	MT-GLAZE	0.000 ZA 1/10W	[B2]
R9717	MT-GLAZE	3.3M JA 1/10W	[B3]
R9718	MT-GLAZE	3.3M JA 1/10W	[A3]
R9719	MT-GLAZE	0.000 ZA 1/10W	[A3]
R9720	MT-GLAZE	120K JA 1/10W	[A3]

R9721	MT-GLAZE	1.5M JA 1/10W	[B2]
R9722	MT-GLAZE	1K JA 1/10W	[A4]
R9723	MT-GLAZE	4.7 JA 1/10W	[A2]
R9751	MT-GLAZE	0.000 ZA 1/10W	[A3]
R9752	MT-GLAZE	0.000 ZA 1/10W	[B4]
R9753	MT-GLAZE	0.000 ZA 1/10W	[A4]
R9754	MT-GLAZE	0.000 ZA 1/8W	[A4]
R9755	MT-GLAZE	0.000 ZA 1/10W	[A3]
R9756	MT-GLAZE	0.000 ZA 1/8W	[A4]
R9757	MT-GLAZE	0.000 ZA 1/10W	[B4]
R9758	MT-GLAZE	0.000 ZA 1/10W	[B4]
R9759	MT-GLAZE	0.000 ZA 1/10W	[B2]
R9760	MT-GLAZE	0.000 ZA 1/8W	[B4]

SANYO

PARTS LIST

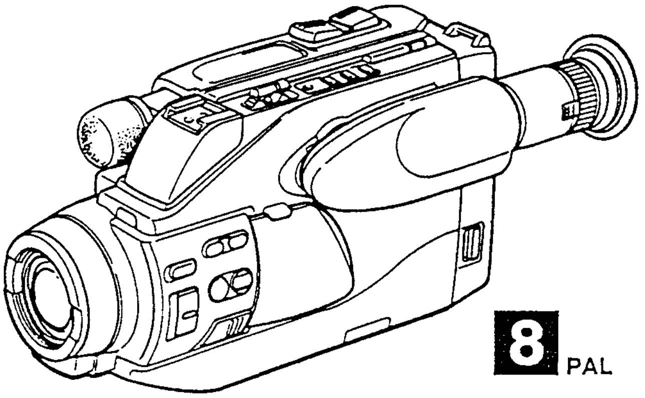
8 mm Camcorder

VM-RZ1P

(GERMANY, SWITZERLAND, ITALY, U.K., SPAIN, MIDDLE EAST, AUSTRALIA,)

VM-D9P

(U.K.)



8 PAL

VM-RZ1P

PRODUCTION CODE No.

126 023 00 (GERMANY)
126 023 03 (SWITZERLAND)
126 023 05 (MIDDLE EAST)
126 023 06 (ITALY)
126 023 07 (U.K.)
126 023 08 (AUSTRALIA)
126 023 09 (SPAIN)

VM-D9P

PRODUCTION CODE No.

126 023 14 (U.K.)

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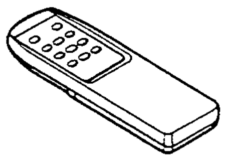
PRODUCT SAFETY NOTICE

The components designated by a symbol (⚠) in this schematic diagram designates components whose value are of special significance to product safety. Should any component designated by a symbol need to be replaced, use only the part designated in the Parts List. Do not deviate from the resistance wattage and voltage rating shown.

[ACCESSORIES]

LOCATION	PARTS NO.	DESCRIPTION
1	636 040 0306	CORR CASE INNER (G)
2	636 040 4366	CORR CASE INNER (E)
3	636 040 4373	CORR CASE INNER (A)
4	636 040 4380	CORR CASE INNER (SP)
5	636 040 4342	CORR CASE INNER (ME)
6	636 040 4335	CORR CASE INNER (SW)
7	636 040 4359	CORR CASE INNER (I)
8	636 040 9095	CORR CASE INNER(VM-D9)
9	636 039 9891	CUSHION INNER,TOP
10	636 039 9907	CUSHION INNER,BOTTOM
11	636 039 9976	ADAPTOR,AC (G,SP,ME,SW, I)
12	636 040 3215	ADAPTOR,AC (A)
13	636 041 8028	ADAPTOR,AC(E) (VM-D9)
14	636 040 4663	INSTRUCTION MANUAL (E)
15	636 040 4670	INSTRUCTION MANUAL (A)
16	636 040 4182	INSTRUCTION MANUAL (ME) (ENGLISH/ARABIC)
OR	636 040 4199	INSTRUCTION MANUAL(ME) (RUSSIAN/CHINESE)
17	636 040 4205	INSTRUCTION MANUAL(SP)
18	636 040 1235	INSTRUCTION MANUAL (G,SW) (GERMAN/ENGLISH/FRENCH)
OR	636 040 4175	INSTRUCTION MANUAL (SW) (SWEDISH/DUTCH/ITALIAN)
19	636 040 4656	INSTRUCTION MANUAL(SP)
20	636 041 0954	INSTRUCTION MANUAL (VM-D9)
21	636 040 0481	REMOCON,WIRELESS
22	636 036 9897	REMOCON WIRELESS(VM-D9)
23	636 040 0467	BATTERY,LID REMOCON
24	636 040 2478	CABLE,DC OUTPUT
OR	636 039 5145	CABLE,DC OUTPUT
25	636 031 2302	CABLE,RCA (A)
OR	636 033 4861	CABLE,RCA (A)
26	636 040 2461	CABLE,RF(E,A,SP,ME,I)(VM-D9)
27	636 040 5837	CABLE,SCART ADAPTOR(G,SW)
28	636 040 3116	RF,ADAPTOR (E)(VM-D9)
29	636 040 3109	RF ADAPTOR (A)
30	636 040 3185	RF,ADAPTOR (SP,ME,I)
31	636 040 0146	COMPL,BELT,SHOULDER

21,22



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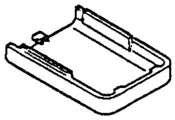

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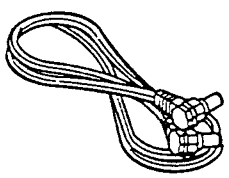

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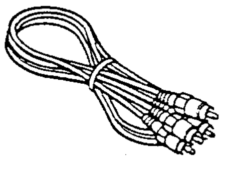

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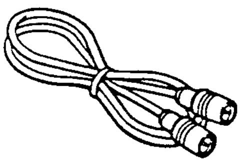

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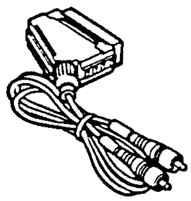

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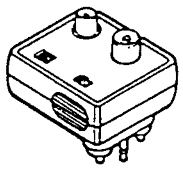

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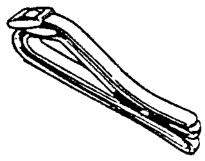

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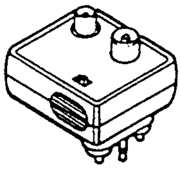

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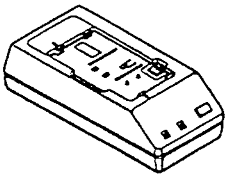


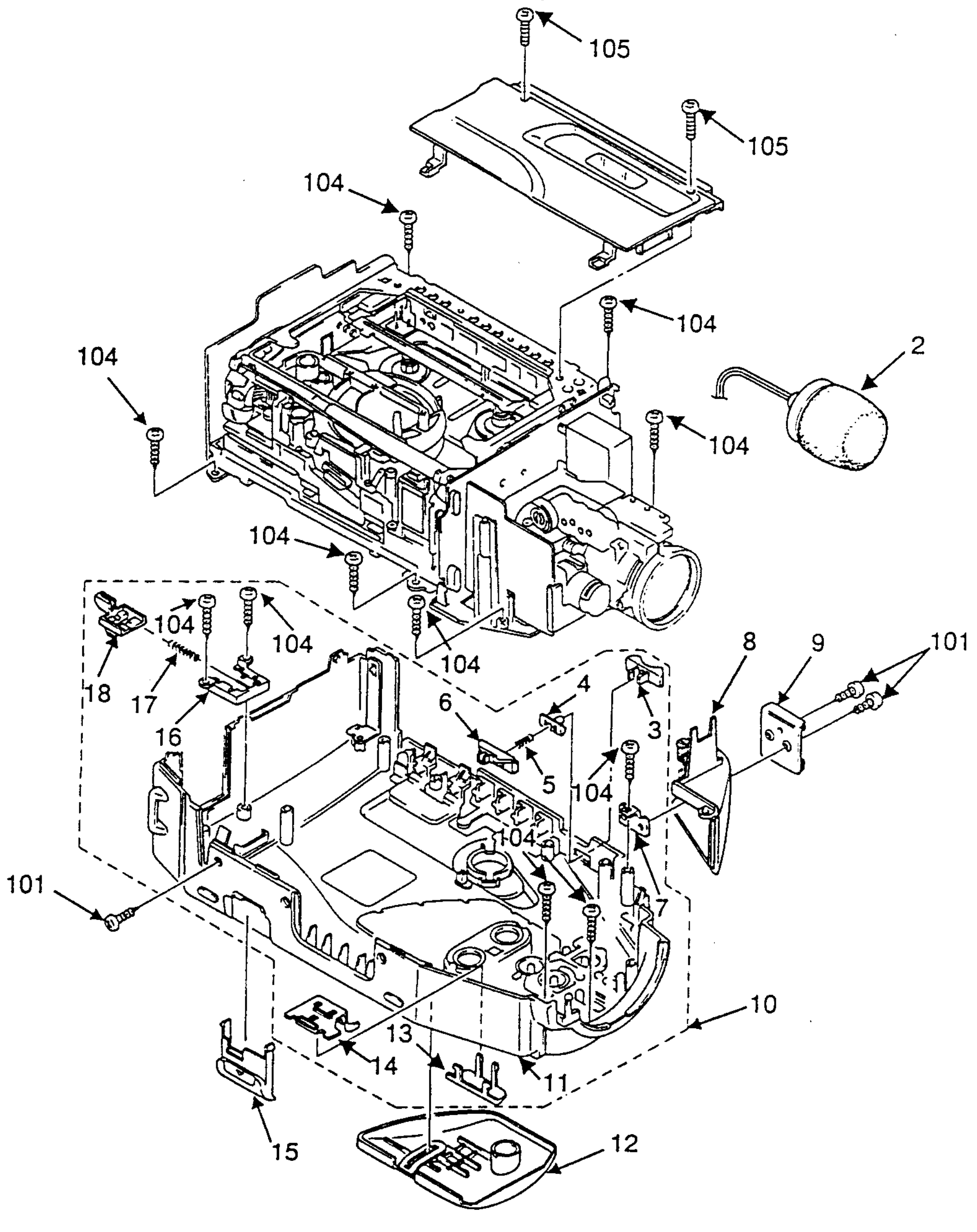
Note : Alphabetic characters enclosed by ( ) in the descriptions indicate destination countries for the VM-RZ1P.

G : Germany SW : Switzerland I : Italy E : United Kingdom SP : Spain
ME : Middle East A : Australia VM-D9 : United Kingdom only.

[CABINET 1]

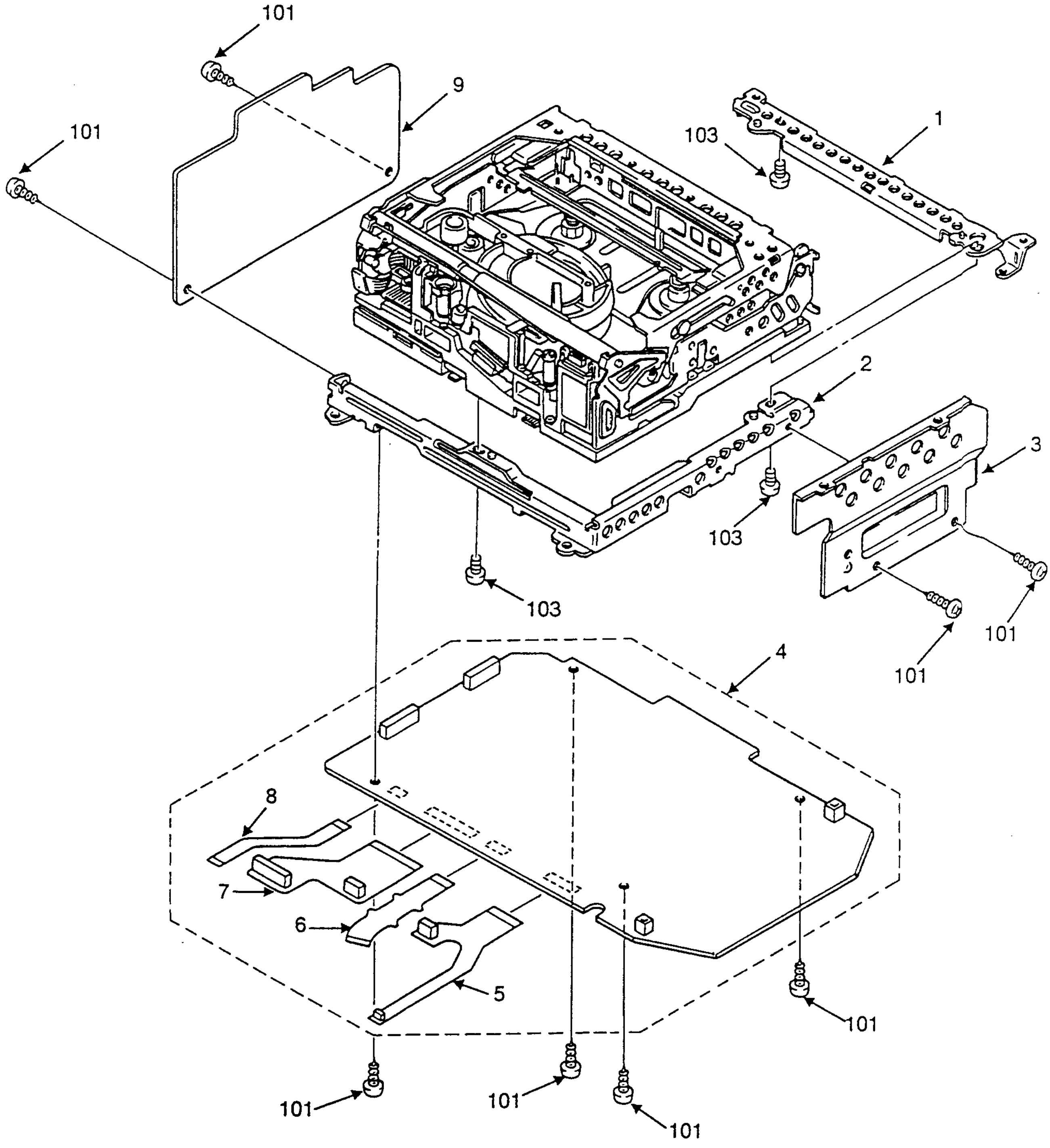
LOCATION	PARTS NO.	DESCRIPTION
1	636 040 0252	ASSY,DOOR,CASSETTE (VM-RZ1P)
OR	636 041 0398	ASSY,DOOR,CASSETTE (VM-D9P)
2	636 039 2458	ASSY,MICROPHONE
3	636 030 0552	KNOB,POWER SLIDE
4	636 034 8110	BUTTON,POWER
5	636 030 0910	SPRING,POWER,BUTTON
6	636 039 9389	SLIDE,POWER
7	636 039 9129	BRACKET,ACC SHOE
8	636 039 8993	WINDOW,IR
9	636 039 9464	CATCHER,ACC
10	636 040 0214	COMPL,CABINET,LEFT (VM-RZ1P)

LOCATION	PARTS NO.	DESCRIPTION
10	636 040 0214	COMPL,CABINET,LEFT(VM-D9P)
11	636 040 0207	ASSY,CABINET,LEFT(VM-RZ1P)
OR	636 040 9774	ASSY,CABINET,LEFT(VM-D9P)
12	636 039 8948	COVER,JACK(VM-RZ1P)
OR	636 040 9767	COVER,JACK(VM-D9P)
13	636 039 9105	KNOB,AUTO LOCK
14	636 039 9396	SLIDE,AUTO
15	636 039 8931	COVER,LITHUM BATTERY
16	636 039 9181	HOLDER,BATTERY
17	636 039 9297	C,SPRING,BATTERY
18	636 039 9099	KNOB,BATTERY
101	411 151 9406	SCR S-TPG PAN PCS 1.7X4
104	411 137 3800	SCR S-TPG PAN PCS 2X5
105	411 099 9209	SCR PAN PCS 2X6



[CABINET 2]

LOCATION	PARTS NO.	DESCRIPTION
1	636 039 5275	BRACKET,MECHA,B
2	636 039 5268	BRACKET,MECHA,A
3	636 041 0138	HEAT SINK,B
4	636 039 0461	COMPL,PCB,CP-1
5	636 040 5295	F-PCB,DRUM LOAD
6	636 040 5288	F-PCB,PRE AMP
7	636 040 5271	F-PCB,LS MODE
8	636 040 5264	F-PCB,CAPSTAN
9	636 039 0478	COMPL,PCB,PW-1
101	411 151 9406	SCR S-TPG PAN PCS 1.7X4
103	411 020 3603	SCR PAN PCS 2X4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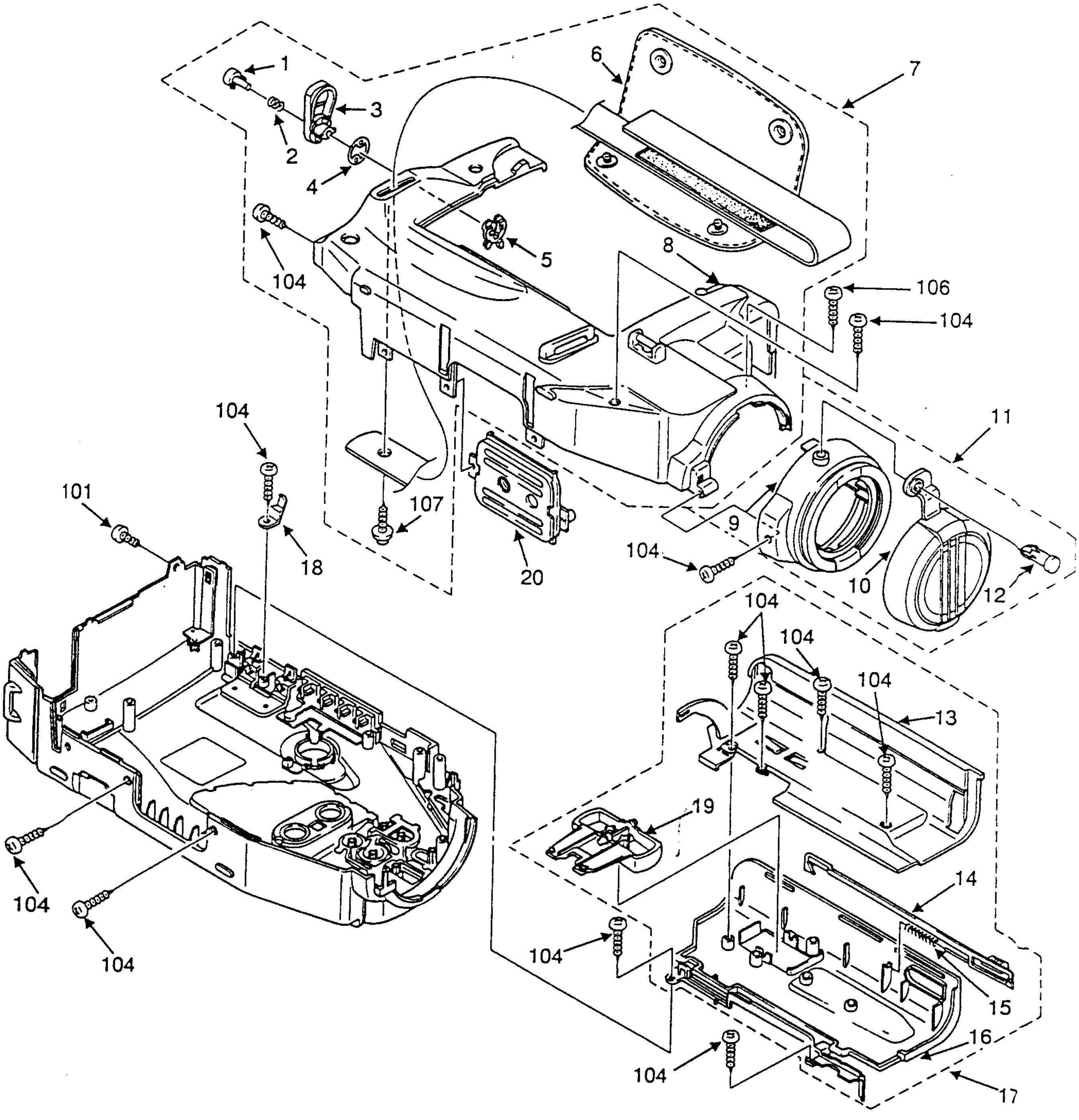
101

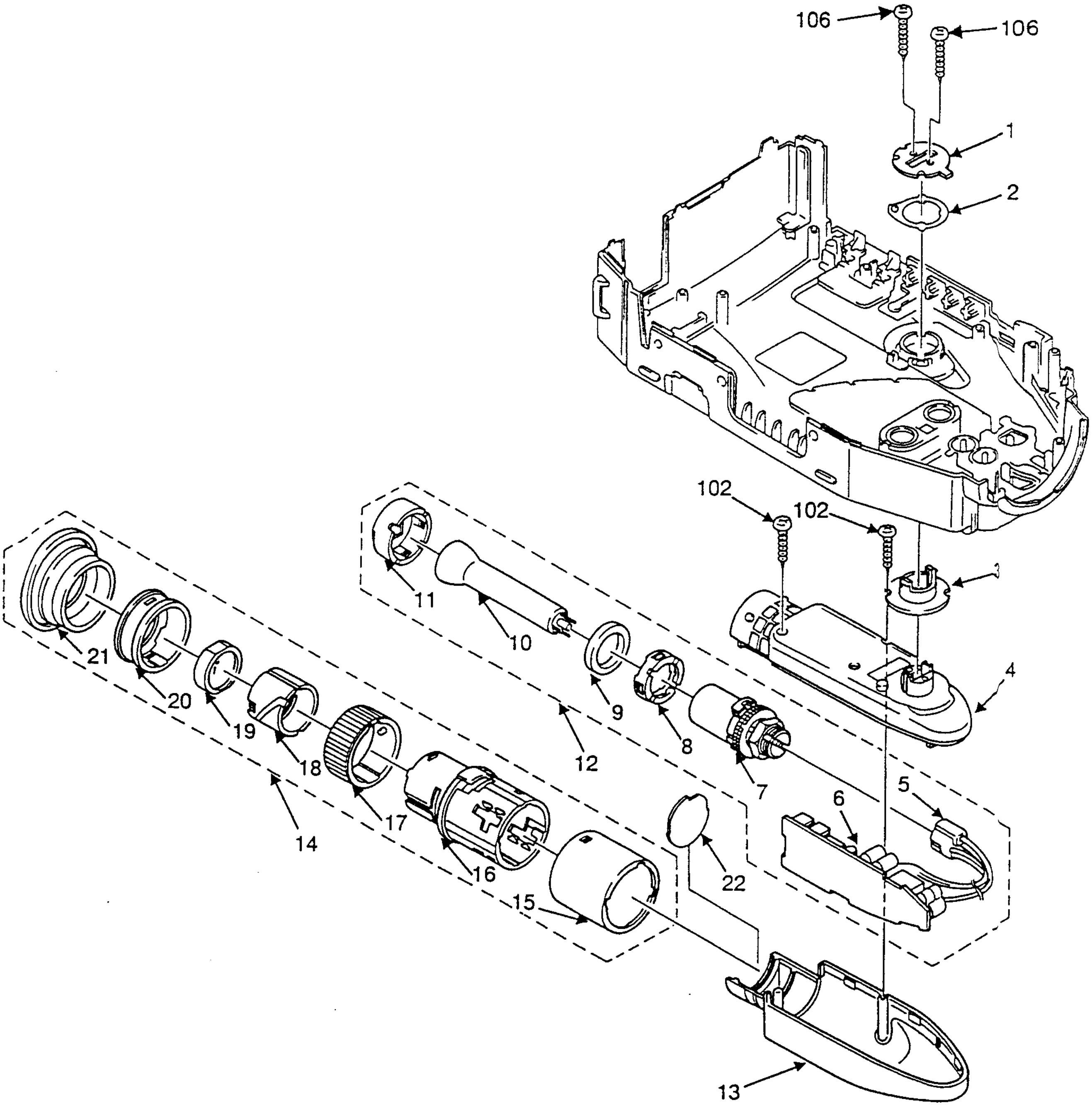
[CABINET 3]

LOCATION	PARTS NO.	DESCRIPTION
1	636 039 9075	BUTTON,REC
2	636 039 9303	C,SPRING,REC
3	636 040 7121	LEVER,REC
4	636 039 9341	PLATE SPRING,REC
5	636 039 9211	HOLDER,REC
6	636 039 8887	ASSY,BELT,GRIP
7	636 040 0238	COMPL,CABINET,RIGHT (VM-RZ1P)
OR	636 040 9804	COMPL,CABINET,RIGHT (VM-D9P)
8	636 040 0221	ASSY,CABINET,RIGHT(VM-RZ1P)
OR	636 040 9798	ASSY,CABINET,RIGHT(VM-D9P)
9	636 039 8962	COVER,FRONT
10	636 039 9266	CAP,LENS

LOCATION	PARTS NO.	DESCRIPTION
11	636 040 0245	COMPL,COVER,FRONT
12	636 039 9259	HOLDER,CAP
13	636 039 8955	COVER,DOOR,TOP
14	636 039 9419	SLIDE,DOOR,TOP
15	636 034 8523	C,SPRING,DOOR
16	636 040 2010	ASSY,DOOR,TOP
17	636 040 0269	COMPL,DOOR,TOP
18	636 039 9839	PLATE SPRING,DOOR,TOP
19	636 039 9082	BUTTON,ZOOM
20	636 039 9518	STAND,TRI POD
101	411 151 9406	SCR S-TPG PAN PCS 1.7X4
104	411 137 3800	SCR S-TPG PAN PCS 2X5
106	411 133 2401	SCR S-TPG PAN PCS 2X8
107	412 045 1001	SPECIAL SCREW 2X5

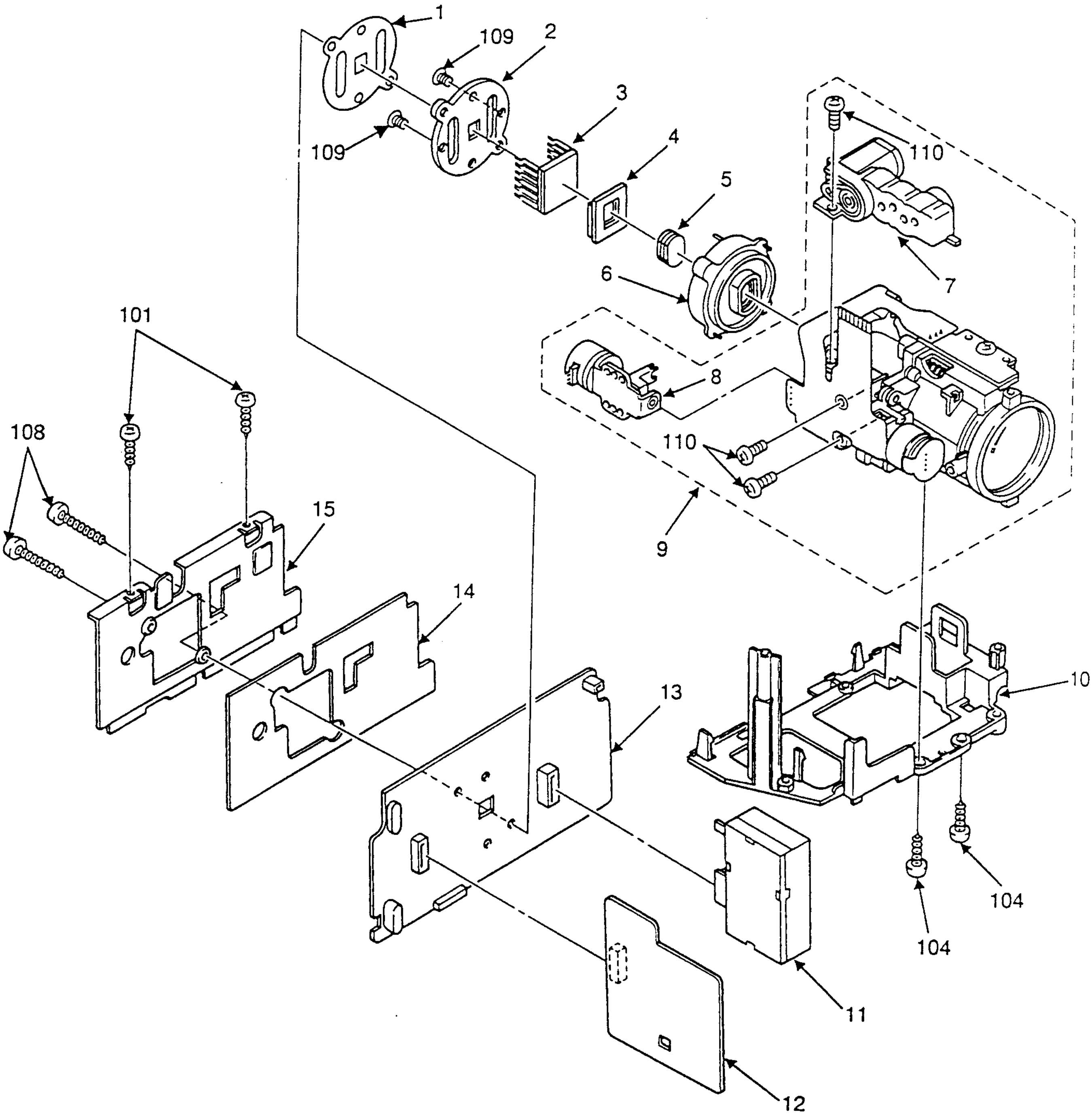


LOCATION	PARTS NO.	DESCRIPTION
[VIEWFINDER]		
1	636 039 9167	BRACKET,VIEWFINDER
2	636 039 9365	PLETE SPRING,VIEWFINDER
3	636 039 9457	SLEEVE,SPACER,VIEWFINDER
4	636 039 8917	CABINET,RIGHT,VIEWFINDER
5 ⚠	636 040 2720	HARNESS,WIRE,VIEWFINDER
6	636 039 9525	COMPL,PCB,VF-1
7	636 040 2843	YOKE,DEFLECTION
8	636 034 7816	RING,VIEWFINDER
9	636 039 9440	RING,RUBBER,VIEWFINDER
10 ⚠	414 007 3009	CRT M01KQM07WB
11	636 039 8801	HOLDER,CRT,VIEWFINDER
12	636 040 0184	COMPL,VF-1
13	636 039 8894	CABINET,LEFT,VIEWFINDER
14	636 040 0276	COMPL,SLEEVE
15	636 039 8825	OUTER SLEEVE,VIEWFINDER
16	636 039 8818	INNER SLEEVE,VIEWFINDER
17	636 039 8788	KNOB,VIEWFINDER
18	636 039 8795	HOLDER,LENS,VIEWFINDER
19	636 039 8726	LENS,VIEWFINDER
OR	636 030 2969	LENS,VIEWFINDER
20	636 039 8757	COVER,SLEEVE,VIEWFINDER
OR	636 030 2860	COVER,SLEEVE,VIEWFINDER
21	636 039 8764	COVER,EYE,VIEWFINDER
22	636 041 0046	COVER,CRT,HOLDER VIEWFINDER
102	411 152 4301	SCR S-TPG PAN PCS 1.7X6
106	411 133 2401	SCR S-TPG PAN PCS 2X8



[CAMERA]

LOCATION	PARTS NO.	DESCRIPTION
1	636 039 6388	INSULATOR
2	636 039 6371	BASE
3	409 263 7106	IC ICX045BKA-6,CCD
4	636 039 6395	SPACER
5	636 035 2162	OPTICAL FILTER
OR	636 039 7071	OPTICAL FILTER
6	636 039 6364	HOLDER
7	636 041 2088	MOTOR,ZOOM
8	636 041 2071	MOTOR,AF
9	636 040 0290	ASSY,LENS
10	636 039 7859	HOLDER,LENS
11 ⚠	636 040 0849	UNIT,DC-DC CONVERTER
12	636 039 8382	COMPL,PCB,TC-1
13	636 039 8375	COMPL,PCB,CA-1
14	636 041 0145	INSULATOR
15	636 041 0121	HEAT SINK,A
101	411 151 9406	SCR S-TPG PAN PCS 1.7X4
104	411 137 3800	SCR S-TPG PAN PCS 2X5
108	411 132 3508	SCR S-TPG BIN 2X14
109	411 151 9307	SCR S-TPG FLT PCS 1.7X5
110	411 153 0609	SCR S-TPG PAN PCS 1.7X4



ELECTRICAL PARTS

NOTE;

*Materials of Capacitors and Resistors are abbreviated as follows;

Resistors

MT-FILE	Metal Film Resistor
MT-GLAZE	Metal Glaze Resistor
OXIDE-MT	Oxide Metal Film Resistor

Capacitors

MT-POLYEST	Metallized Polyester Capacitor
MT-COMPO	Metallized Composite Capacitor
TA-SOLID	Tantalum Solid Capacitor
AL-SOLID	Aluminum Solid Capacitor
NP-ELECT	Non-Polarized Electrolytic Capacitor
OS-SOLID	Aluminum Solid Capacitors with Organic Semiconductive Electrolytic Capacitor
DL-ELECT	Double Layered Electrolytic Capacitor

*Tolerance of Capacitor(10pF over) and Resistor are noted with follow symbols.

F ············±1%　G ············±2%　J ············±5%　K ············±10%
M ············±20%　N ············±30%　Z ············+80% ~ −20%　D ············±0.5%

LOCATION	PARTS NO.	DESCRIPTION			
COMPL PCB,CP-1					
COMPL.NO.	636 039 0461				
	636 040 0870	SHIELD.A			
	636 040 0009	CONNECTOR,11P			
	636 029 9092	AV JACK,RCA			
	636 039 9877	HOLDER,LED			
A3301	636 040 1051	REMOCON RECEIVER			
C1002	403 026 7501	CERAMIC	470P	J	50V
OR	403 108 9300	CERAMIC	470P	J	50V
C1003	403 011 4904	CERAMIC	120P	J	50V
OR	403 108 8907	CERAMIC	120P	J	50V
C1004	403 149 7303	CERAMIC	0.47U	Z	16V
OR	403 228 7606	CERAMIC	0.47U	Z	25V
C1005	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1006	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1007	403 069 1702	CERAMIC	1000P	K	50V
OR	403 069 2105	CERAMIC	1000P	K	50V
C1008	403 069 1702	CERAMIC	1000P	K	50V
OR	403 069 2105	CERAMIC	1000P	K	50V
C1009	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1010	403 167 0201	TA-SOLID	3.3U	M	6.3V
OR	403 114 5600	TA-SOLID	3.3U	M	6.3V
OR	403 202 6908	TA-SOLID	3.3U	M	6.3V
C1012	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1013	403 167 0201	TA-SOLID	3.3U	M	6.3V
OR	403 114 5600	TA-SOLID	3.3U	M	6.3V
OR	403 202 6908	TA-SOLID	3.3U	M	6.3V
C1014	403 152 9707	ELECT	22U	M	6.3V
OR	403 162 4006	ELECT	22U	M	6.3V
C1015	403 152 9707	ELECT	22U	M	6.3V
OR	403 162 4006	ELECT	22U	M	6.3V
C1016	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1018	403 149 7303	CERAMIC	0.47U	Z	16V
OR	403 228 7606	CERAMIC	0.47U	Z	25V
C1020	403 176 3200	CERAMIC	1U	Z	25V
OR	403 134 7400	CERAMIC	1U	Z	16V
OR	403 236 1009	CERAMIC	1U	Z	16V
C1021	403 149 7303	CERAMIC	0.47U	Z	16V
OR	403 228 7606	CERAMIC	0.47U	Z	25V
C1022	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1023	403 167 0607	TA-SOLID	1U	M	16V
C1023	403 091 0407	TA-SOLID	1U	M	16V
OR	403 203 1407	TA-SOLID	1U	M	16V
C1024	403 038 6707	ELECT	220U	M	6.3V
C1025	403 069 5601	CERAMIC	0.01U	K	50V
OR	403 067 9304	CERAMIC	0.01U	K	25V
OR	403 069 6004	CERAMIC	0.01U	K	50V
C1026	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1028	403 130 3109	CERAMIC	0.047U	K	50V
OR	403 130 3604	CERAMIC	0.047U	K	25V
OR	403 230 9407	CERAMIC	0.047U	K	25V
C1030	403 068 0409	CERAMIC	0.1U	Z	25V
OR	403 215 3109	CERAMIC	0.1U	Z	16V
OR	403 109 7909	CERAMIC	0.1U	Z	25V
C1032	403 018 7403	CERAMIC	220P	J	50V
OR	403 108 9201	CERAMIC	220P	J	50V
C1033	403 152 9608	ELECT	47U	M	4V
OR	403 162 3900	ELECT	47U	M	4V
C1035	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1036	403 069 1702	CERAMIC	1000P	K	50V
OR	403 069 2105	CERAMIC	1000P	K	50V
C1037	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1038	403 069 5601	CERAMIC	0.01U	K	50V
OR	403 067 9304	CERAMIC	0.01U	K	25V
OR	403 069 6004	CERAMIC	0.01U	K	50V
C1039	403 023 4404	CERAMIC	330P	J	50V
OR	403 023 5203	CERAMIC	330P	J	50V
C1040	403 024 7107	CERAMIC	390P	J	50V
OR	403 153 2400	CERAMIC	390P	J	50V
C1041	403 152 9806	ELECT	10U	M	16V
OR	403 162 4709	ELECT	10U	M	16V
C1042	403 069 5601	CERAMIC	0.01U	K	50V
OR	403 067 9304	CERAMIC	0.01U	K	25V
OR	403 069 6004	CERAMIC	0.01U	K	50V
C1043	403 176 3200	CERAMIC	1U	Z	25V
OR	403 134 7400	CERAMIC	1U	Z	16V
OR	403 236 1009	CERAMIC	1U	Z	16V
C1044	403 149 7303	CERAMIC	0.47U	Z	16V
OR	403 228 7606	CERAMIC	0.47U	Z	25V
C1051	403 009 5708	CERAMIC	100P	J	50V
OR	403 009 7009	CERAMIC	100P	J	50V
C1052	403 009 5708	CERAMIC	100P	J	50V
OR	403 009 7009	CERAMIC	100P	J	50V
C1053	403 012 6808	CERAMIC	15P	J	50V
OR	403 012 8406	CERAMIC	15P	J	50V
C1054	403 030 6903	CERAMIC	68P	J	50V
OR	403 108 8709	CERAMIC	68P	J	50V
C1055	403 020 0409	CERAMIC	27P	J	50V

LOCATION	PARTS NO.	DESCRIPTION		
C1055	403 020 1604	CERAMIC	27P J	50V
C1056	403 022 8205	CERAMIC	33P J	50V
OR	403 023 0109	CERAMIC	33P J	50V
C1057	403 020 0409	CERAMIC	27P J	50V
OR	403 020 1604	CERAMIC	27P J	50V
C1058	403 028 4102	CERAMIC	56P J	50V
OR	403 028 6007	CERAMIC	56P J	50V
C1060	403 013 3004	CERAMIC	150P J	50V
OR	403 108 9003	CERAMIC	150P J	50V
C1063	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1070	403 152 9608	ELECT	47U M	4V
OR	403 162 3900	ELECT	47U M	4V
C1071	403 012 6808	CERAMIC	15P J	50V
OR	403 012 8406	CERAMIC	15P J	50V
C1073	403 011 4904	CERAMIC	120P J	50V
OR	403 108 8907	CERAMIC	120P J	50V
C1074	403 030 6903	CERAMIC	68P J	50V
OR	403 108 8709	CERAMIC	68P J	50V
C1075	403 018 7403	CERAMIC	220P J	50V
OR	403 108 9201	CERAMIC	220P J	50V
C1079	403 009 5708	CERAMIC	100P J	50V
OR	403 009 7009	CERAMIC	100P J	50V
C1080	403 153 0901	ELECT	100U M	6.3V
OR	403 175 0606	ELECT	100U M	6.3V
C1092	403 023 4404	CERAMIC	330P J	50V
OR	403 023 5203	CERAMIC	330P J	50V
C1101	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C1102	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1105	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1108	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1109	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C1111	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C1116	403 012 6808	CERAMIC	15P J	50V
OR	403 012 8406	CERAMIC	15P J	50V
C1117	403 020 0409	CERAMIC	27P J	50V
OR	403 020 1604	CERAMIC	27P J	50V
C1118	403 032 2309	CERAMIC	75P J	50V
OR	403 153 2103	CERAMIC	75P J	50V
C1119	403 024 2102	CERAMIC	39P J	50V
OR	403 024 3505	CERAMIC	39P J	50V
C1120	403 028 4102	CERAMIC	56P J	50V
OR	403 028 6007	CERAMIC	56P J	50V
C1121	403 026 2803	CERAMIC	47P J	50V
OR	403 108 8600	CERAMIC	47P J	50V
C1122	403 030 6903	CERAMIC	68P J	50V
OR	403 108 8709	CERAMIC	68P J	50V
C1123	403 008 7406	CERAMIC	10P D	50V
OR	403 008 9202	CERAMIC	10P D	50V
C1124	403 008 7406	CERAMIC	10P D	50V
OR	403 008 9202	CERAMIC	10P D	50V
C1125	403 024 2102	CERAMIC	39P J	50V
OR	403 024 3505	CERAMIC	39P J	50V
C1126	403 033 4500	CERAMIC	82P J	50V
OR	403 108 8808	CERAMIC	82P J	50V
C1127	403 014 3409	CERAMIC	18P J	50V
OR	403 014 4802	CERAMIC	18P J	50V
C1128	403 020 0409	CERAMIC	27P J	50V
OR	403 020 1604	CERAMIC	27P J	50V
C1129	403 009 5708	CERAMIC	100P J	50V
OR	403 009 7009	CERAMIC	100P J	50V
C1130	403 020 0409	CERAMIC	27P J	50V
OR	403 020 1604	CERAMIC	27P J	50V
C1131	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1132	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1202	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1204	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1205	403 152 9608	ELECT	47U M	4V
OR	403 162 3900	ELECT	47U M	4V
C1208	403 167 0607	TA-SOLID	1U M	16V
OR	403 091 0407	TA-SOLID	1U M	16V
OR	403 203 1407	TA-SOLID	1U M	16V
C1209	403 023 4404	CERAMIC	330P J	50V
OR	403 023 5203	CERAMIC	330P J	50V
C1211	403 167 0607	TA-SOLID	1U M	16V
OR	403 091 0407	TA-SOLID	1U M	16V
OR	403 203 1407	TA-SOLID	1U M	16V
C1212	403 072 1607	CERAMIC	0.022U M	50V
OR	403 108 8303	CERAMIC	0.022U K	50V
OR	403 068 2007	CERAMIC	0.022U K	25V
OR	403 230 8509	CERAMIC	0.022U K	50V
C1213	403 167 0508	TA-SOLID	0.68U M	16V
OR	403 203 1902	TA-SOLID	0.68U M	20V
C1214	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1215	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1218	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1219	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1221	403 014 3409	CERAMIC	18P J	50V
OR	403 014 4802	CERAMIC	18P J	50V
C1225	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1227	403 013 3004	CERAMIC	150P J	50V
OR	403 108 9003	CERAMIC	150P J	50V
C1243	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1301	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1303	403 032 2309	CERAMIC	75P J	50V
OR	403 153 2103	CERAMIC	75P J	50V
C1304	403 071 8102	CERAMIC	2200P K	50V
OR	403 071 8508	CERAMIC	2200P K	50V
C1305	403 020 5503	CERAMIC	270P J	50V
OR	403 153 2301	CERMAIC	270P J	50V
C1306	403 014 3409	CERAMIC	18P J	50V
OR	403 014 4802	CERAMIC	18P J	50V
C1307	403 020 5503	CERAMIC	270P J	50V
OR	403 153 2301	CERMAIC	270P J	50V
C1308	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1309	403 014 3409	CERAMIC	18P J	50V
OR	403 014 4802	CERAMIC	18P J	50V
C1320	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1321	403 071 8102	CERAMIC	2200P K	50V

LOCATION	PARTS NO.	DESCRIPTION		
C1321	403 071 8508	CERAMIC	2200P K	50V
C1322	403 018 0503	CERAMIC	22P J	50V
OR	403 018 2408	CERAMIC	22P J	50V
C1323	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1325	403 027 1201	CERAMIC	5P C	50V
OR	403 027 2901	CERAMIC	5P C	50V
C1326	403 020 0409	CERAMIC	27P J	50V
OR	403 020 1604	CERAMIC	27P J	50V
C1329	403 018 0503	CERAMIC	22P J	50V
OR	403 018 2408	CERAMIC	22P J	50V
C1330	403 027 1201	CERAMIC	5P C	50V
OR	403 027 2901	CERAMIC	5P C	50V
C1331	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1340	403 026 2803	CERAMIC	47P J	50V
OR	403 108 8600	CERAMIC	47P J	50V
C1341	403 010 5001	CERAMIC	110P J	50V
OR	403 153 2202	CERAMIC	110P J	50V
C1342	403 013 3004	CERAMIC	150P J	50V
OR	403 108 9003	CERAMIC	150P J	50V
C1344	403 012 6808	CERAMIC	15P J	50V
OR	403 012 8406	CERAMIC	15P J	50V
C1345	403 024 2102	CERAMIC	39P J	50V
OR	403 024 3505	CERAMIC	39P J	50V
C1347	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1361	403 014 9203	CERAMIC	180P J	50V
OR	403 108 9102	CERAMIC	180P J	50V
C1362	403 009 5708	CERAMIC	100P J	50V
OR	403 009 7009	CERAMIC	100P J	50V
C1363	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1364	403 009 5708	CERAMIC	100P J	50V
OR	403 009 7009	CERAMIC	100P J	50V
C1365	403 022 8205	CERAMIC	33P J	50V
OR	403 023 0109	CERAMIC	33P J	50V
C1380	403 073 0005	CERAMIC	3300P K	50V
OR	403 108 7504	CERAMIC	3300P K	50V
C1381	403 032 2309	CERAMIC	75P J	50V
OR	403 153 2103	CERAMIC	75P J	50V
C1382	403 026 2803	CERAMIC	47P J	50V
OR	403 108 8600	CERAMIC	47P J	50V
C1383	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1402	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1421	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C1450	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1451	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1453	403 018 0503	CERAMIC	22P J	50V
OR	403 018 2408	CERAMIC	22P J	50V
C1461	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C1462	403 024 2102	CERAMIC	39P J	50V
OR	403 024 3505	CERAMIC	39P J	50V
C1463	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V

LOCATION	PARTS NO.	DESCRIPTION		
C1463	403 236 1009	CERAMIC	1U Z	16V
C1469	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1482	403 020 0409	CERAMIC	27P J	50V
OR	403 020 1604	CERAMIC	27P J	50V
C1601	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1602	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1603	403 010 5001	CERAMIC	110P J	50V
OR	403 153 2202	CERAMIC	110P J	50V
C1604	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1605	403 152 9905	ELECT	4.7U M	25V
OR	403 162 5300	ELECT	4.7U M	25V
C1607	403 011 4904	CERAMIC	120P J	50V
OR	403 108 8907	CERAMIC	120P J	50V
C1608	403 010 8507	CERAMIC	12P J	50V
OR	403 011 0104	CERAMIC	12P J	50V
C1609	403 026 2803	CERAMIC	47P J	50V
OR	403 108 8600	CERAMIC	47P J	50V
C1610	403 028 4102	CERAMIC	56P J	50V
OR	403 028 6007	CERAMIC	56P J	50V
C1611	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C1613	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1614	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1615	403 020 0409	CERAMIC	27P J	50V
OR	403 020 1604	CERAMIC	27P J	50V
C1620	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1701	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1801	403 009 5708	CERAMIC	100P J	50V
OR	403 009 7009	CERAMIC	100P J	50V
C1802	403 013 3004	CERAMIC	150P J	50V
OR	403 108 9003	CERAMIC	150P J	50V
C1803	403 033 4500	CERAMIC	82P J	50V
OR	403 108 8808	CERAMIC	82P J	50V
C1804	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1805	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1901	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1902	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1903	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1904	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1905	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1906	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1908	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1910	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V

LOCATION	PARTS NO.	DESCRIPTION		
C1910	403 069 6004	CERAMIC	0.01U K	50V
C1911	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1912	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1913	403 164 0204	CERAMIC	0.1U Z	25V
OR	403 176 0209	CERAMIC	0.1U Z	25V
C1914	403 164 0204	CERAMIC	0.1U Z	25V
OR	403 176 0209	CERAMIC	0.1U Z	25V
C1915	403 164 0204	CERAMIC	0.1U Z	25V
OR	403 176 0209	CERAMIC	0.1U Z	25V
C1916	403 164 0204	CERAMIC	0.1U Z	25V
OR	403 176 0209	CERAMIC	0.1U Z	25V
C1917	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1918	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1919	403 069 5601	CERAMIC	0.01U K	50V
OR	403 067 9304	CERAMIC	0.01U K	25V
OR	403 069 6004	CERAMIC	0.01U K	50V
C1921	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1922	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1923	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1924	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1925	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1926	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C1927	403 069 1702	CERAMIC	1000P K	50V
OR	403 069 2105	CERAMIC	1000P K	50V
C1928	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C1929	403 155 4204	CERAMIC	15P J	50V
OR	403 229 4406	CERAMIC	15P J	50V
C1930	403 157 1904	CERAMIC	10P D	50V
OR	403 229 4208	CERAMIC	10P D	50V
C2001	403 069 5601	CERAMIC	0.01U K	50V
OR	403 069 6004	CERAMIC	0.01U K	50V
C2002	403 028 4201	CERAMIC	56P J	50V
OR	403 028 6106	CERAMIC	56P J	50V
C2003	403 069 5601	CERAMIC	0.01U K	50V
OR	403 069 6004	CERAMIC	0.01U K	50V
C2004	403 071 8102	CERAMIC	2200P K	50V
OR	403 071 8508	CERAMIC	2200P K	50V
C2005	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C2006	403 153 0901	ELECT	100U M	6.3V
OR	403 175 0606	ELECT	100U M	6.3V
C2007	403 167 0607	TA-SOLID	1U M	16V
OR	403 091 0407	TA-SOLID	1U M	16V
C2010	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C2011	403 071 8102	CERAMIC	2200P K	50V
OR	403 071 8508	CERAMIC	2200P K	50V
C2014	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
C2014	403 236 1009	CERAMIC	1U Z	16V
C2015	403 152 9806	ELECT	10U M	16V
OR	403 162 4709	ELECT	10U M	16V
C2016	403 167 0607	TA-SOLID	1U M	16V
OR	403 091 0407	TA-SOLID	1U M	16V
C2017	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C2018	403 018 7502	CERAMIC	220P J	50V
OR	403 018 8301	CERAMIC	220P J	50V
C2019	403 152 9905	ELECT	4.7U M	25V
OR	403 162 5300	ELECT	4.7U M	25V
C2022	403 140 9603	CERAMIC	0.027U K	25V
OR	403 230 9100	CERAMIC	0.027U K	25V
C2023	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C2025	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C2026	403 152 9905	ELECT	4.7U M	25V
OR	403 162 5300	ELECT	4.7U M	25V
C2028	403 130 3109	CERAMIC	0.047U K	50V
OR	403 130 3604	CERAMIC	0.047U K	25V
OR	403 230 9407	CERAMIC	0.047U K	25V
C2029	403 130 3109	CERAMIC	0.047U K	50V
OR	403 130 3604	CERAMIC	0.047U K	25V
OR	403 230 9407	CERAMIC	0.047U K	25V
C2030	403 067 9809	CERAMIC	0.1U K	25V
OR	403 231 0809	CERAMIC	0.1U K	25V
C2041	403 073 9107	CERAMIC	4700P K	50V
OR	403 108 7702	CERAMIC	4700P K	50V
C2802	403 067 9809	CERAMIC	0.1U K	25V
OR	403 231 0809	CERAMIC	0.1U K	25V
C2821	403 068 1505	CERAMIC	0.018U K	25V
C2831	403 231 1004	CERAMIC	0.15U K	25V
OR	403 104 5405	CERAMIC	0.15U K	25V
C2832	403 152 9806	ELECT	10U M	16V
OR	403 162 4709	ELECT	10U M	16V
C2834	403 074 7607	CERAMIC	5600P K	50V
OR	403 108 7801	CERAMIC	5600P K	50V
C2851	403 152 9707	ELECT	22U M	6.3V
OR	403 162 4006	ELECT	22U M	6.3V
C3252	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C3253	403 022 2609	CERAMIC	30P J	50V
OR	403 153 1809	CERAMIC	30P J	50V
C3254	403 026 2803	CERAMIC	47P J	50V
OR	403 108 8600	CERAMIC	47P J	50V
C3258	403 026 2803	CERAMIC	47P J	50V
OR	403 108 8600	CERAMIC	47P J	50V
C3259	403 026 2803	CERAMIC	47P J	50V
OR	403 108 8600	CERAMIC	47P J	50V
C3260	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C3351	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C3352	403 153 0901	ELECT	100U M	6.3V
OR	403 175 0606	ELECT	100U M	6.3V
C3353	403 176 3200	CERAMIC	1U Z	25V
OR	403 134 7400	CERAMIC	1U Z	16V
OR	403 236 1009	CERAMIC	1U Z	16V
C3354	403 068 0409	CERAMIC	0.1U Z	25V
OR	403 215 3109	CERAMIC	0.1U Z	16V
OR	403 109 7909	CERAMIC	0.1U Z	25V
C3401	403 152 9707	ELECT	22U M	6.3V

LOCATION	PARTS NO.	DESCRIPTION
C3401	403 162 4006	ELECT 22U M 6.3V
C3402	403 018 7403	CERAMIC 220P J 50V
OR	403 108 9201	CERAMIC 220P J 50V
C3451	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C3452	403 152 9806	ELECT 10U M 16V
OR	403 162 4709	ELECT 10U M 16V
C3453	403 152 9806	ELECT 10U M 16V
OR	403 162 4709	ELECT 10U M 16V
C3501	403 010 8507	CERAMIC 12P J 50V
OR	403 011 0104	CERAMIC 12P J 50V
C3502	403 010 8507	CERAMIC 12P J 50V
OR	403 011 0104	CERAMIC 12P J 50V
C3505	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3508	403 012 6808	CERAMIC 15P J 50V
OR	403 012 8406	CERAMIC 15P J 50V
C3509	403 022 8205	CERAMIC 33P J 50V
OR	403 023 0109	CERAMIC 33P J 50V
C3510	403 176 3200	CERAMIC 1U Z 25V
OR	403 134 7400	CERAMIC 1U Z 16V
OR	403 236 1009	CERAMIC 1U Z 16V
C3511	403 067 9304	CERAMIC 0.01U K 25V
OR	403 069 5601	CERAMIC 0.01U K 50V
OR	403 069 6004	CERAMIC 0.01U K 50V
C3513	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3514	403 013 3004	CERAMIC 150P J 50V
OR	403 108 9003	CERAMIC 150P J 50V
C3515	403 013 3004	CERAMIC 150P J 50V
OR	403 108 9003	CERAMIC 150P J 50V
C3517	403 009 5708	CERAMIC 100P J 50V
OR	403 009 7009	CERAMIC 100P J 50V
C3520	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3521	403 069 5601	CERAMIC 0.01U K 50V
OR	403 067 9304	CERAMIC 0.01U K 25V
OR	403 069 6004	CERAMIC 0.01U K 50V
C3530	403 152 9608	ELECT 47U M 4V
OR	403 162 3900	ELECT 47U M 4V
C3601	403 140 9603	CERAMIC 0.027U K 25V
OR	403 230 9100	CERAMIC 0.027U K 25V
C3602	403 140 9603	CERAMIC 0.027U K 25V
OR	403 230 9100	CERAMIC 0.027U K 25V
C3603	403 013 3004	CERAMIC 150P J 50V
OR	403 108 9003	CERAMIC 150P J 50V
C3604	403 008 7406	CERAMIC 10P D 50V
OR	403 008 9202	CERAMIC 10P D 50V
C3605	403 028 4102	CERAMIC 56P J 50V
OR	403 028 6007	CERAMIC 56P J 50V
C3606	403 026 7501	CERAMIC 470P J 50V
OR	403 108 9300	CERAMIC 470P J 50V
C3607	403 024 2102	CERAMIC 39P J 50V
OR	403 024 3505	CERAMIC 39P J 50V
C3608	403 069 1702	CERAMIC 1000P K 50V
OR	403 069 2105	CERAMIC 1000P K 50V
C3609	403 067 9304	CERAMIC 0.01U K 25V
OR	403 069 5601	CERAMIC 0.01U K 50V
OR	403 069 6004	CERAMIC 0.01U K 50V
C3611	403 067 9304	CERAMIC 0.01U K 25V
OR	403 069 5601	CERAMIC 0.01U K 50V
OR	403 069 6004	CERAMIC 0.01U K 50V
C3612	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3613	403 067 9304	CERAMIC 0.01U K 25V

LOCATION	PARTS NO.	DESCRIPTION
C3613	403 069 5601	CERAMIC 0.01U K 50V
OR	403 069 6004	CERAMIC 0.01U K 50V
C3615	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3616	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3617	403 069 1702	CERAMIC 1000P K 50V
OR	403 069 2105	CERAMIC 1000P K 50V
C3618	403 073 0005	CERAMIC 3300P K 50V
OR	403 108 7504	CERAMIC 3300P K 50V
C3619	403 023 4404	CERAMIC 330P J 50V
OR	403 023 5203	CERAMIC 330P J 50V
C3620	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C3621	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3701	403 192 0207	TA-SOLID 4.7U M 6.3V
OR	403 158 7608	TA-SOLID 4.7U M 6.3V
C3702	403 176 3101	CERAMIC 0.22U Z 50V
C3703	403 176 3101	CERAMIC 0.22U Z 50V
C3704	403 130 3604	CERAMIC 0.047U K 25V
OR	403 230 9407	CERAMIC 0.047U K 25V
C3705	403 073 0005	CERAMIC 3300P K 50V
OR	403 108 7504	CERAMIC 3300P K 50V
C3706	403 073 0005	CERAMIC 3300P K 50V
OR	403 108 7504	CERAMIC 3300P K 50V
C3707	403 073 0005	CERAMIC 3300P K 50V
OR	403 108 7504	CERAMIC 3300P K 50V
C3708	403 067 9304	CERAMIC 0.01U K 25V
OR	403 069 5601	CERAMIC 0.01U K 50V
OR	403 069 6004	CERAMIC 0.01U K 50V
C3709	403 176 3200	CERAMIC 1U Z 25V
OR	403 134 7400	CERAMIC 1U Z 16V
OR	403 236 1009	CERAMIC 1U Z 16V
C3710	403 069 5601	CERAMIC 0.01U K 50V
OR	403 067 9304	CERAMIC 0.01U K 25V
OR	403 069 6004	CERAMIC 0.01U K 50V
C3801	403 176 3200	CERAMIC 1U Z 25V
OR	403 134 7400	CERAMIC 1U Z 16V
OR	403 236 1009	CERAMIC 1U Z 16V
C3802	403 009 5708	CERAMIC 100P J 50V
OR	403 009 7009	CERAMIC 100P J 50V
C3803	403 033 9000	CERAMIC 820P J 50V
C3804	403 176 3200	CERAMIC 1U Z 25V
OR	403 134 7400	CERAMIC 1U Z 16V
OR	403 236 1009	CERAMIC 1U Z 16V
C3805	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C3806	403 068 0409	CERAMIC 0.1U Z 25V
OR	403 215 3109	CERAMIC 0.1U Z 16V
OR	403 109 7909	CERAMIC 0.1U Z 25V
C3807	403 069 5601	CERAMIC 0.01U K 50V
OR	403 067 9304	CERAMIC 0.01U K 25V
OR	403 069 6004	CERAMIC 0.01U K 50V
CT325	636 026 4014	CAP.TRIM 30P-W
D1004	407 106 1601	DIODE DCG015-TL
OR	407 130 4401	DIODE DAN202U-T106
D1301	407 113 0505	DIODE 1SS302-TE85L
D1422	407 057 8902	ZENER DIODE RD8.2M
OR	407 129 0605	ZENER DIODE MA3082-M-TW
D1425	407 113 5609	DIODE DSH015-TL
D2001	407 057 8902	ZENER DIODE RD8.2MB2
OR	407 129 0605	ZENER DIODE MA3082-M-TW
D3201	407 106 1601	DIODE DCG015-TL

LOCATION	PARTS NO.	DESCRIPTION
D3201	407 130 4401	DIODE DAN202U-T106
D3251	407 113 5609	DIODE DSH015-TL
D3301	407 132 6007	LED BR3432S
D3550	407 057 8902	ZENER DIODE RD8.2MB2
OR	407 129 0605	ZENER DIODE MA3082-M-TW
IC101	409 268 5701	IC CXA1207AR-T5
IC111	409 223 6606	IC CXL1506M-T3
IC121	409 212 8802	IC CXA1208R-T3
IC141	409 149 2904	IC NJM2235M-T1
IC161	409 143 7905	IC CXA1203M-T1
IC191	409 170 9200	IC CXA1202R-T3
IC201	409 272 2505	IC LA7454W-P-TE-F
IC325	410 147 5804	IC UPD6456GS-617G
IC335	409 264 2209	IC S-8420BF-T1
IC341	409 215 6805	IC LB1638M-T1
IC345	409 018 3704	IC LA6358M-T1
OR	409 220 6906	IC LM358D-R
IC351	410 152 2904	IC CXP80724-142Q
IC361	409 274 4606	IC LV4050W-TE-R
IC362	409 159 2406	IC SC14S81FEL
OR	409 137 9007	IC TC4S81F(TE85L)
IC371	409 244 2304	IC CXA8006M-E1
IC381	409 159 9108	IC BA14741F-T1
J1001	636 040 5264	F-PCB.CAPSTAN
J1002	636 040 5271	F-PCB.LS MODE
J1003	636 040 5288	F-PCB.PRE AMP
J1004	636 040 5295	F-PCB.DRUM LOAD
L1001	636 002 8852	RF CHOKE.100UH
L1002	636 002 8845	RF CHOKE.47UH
L1021	636 027 8592	COIL.INDUCTOR 100UH
L1022	636 003 2460	HF CHOKE.33UH
L1070	636 027 8820	COIL.INDUCTOR 82UH
L1073	636 027 8738	COIL.INDUCTOR 33UH
L1074	636 003 2569	HF CHOKE.220UH
L1102	636 003 5379	CORE
L1104	636 003 5379	CORE
L1111	636 028 1813	COIL.INDUCTOR 4.7UH
L1112	636 028 1813	COIL.INDUCTOR 4.7UH
L1113	636 003 2460	HF CHOKE.33UH
L1114	636 003 2460	HF CHOKE.33UH
L1115	636 027 8585	COIL.INDUCTOR 10UH
L1201	636 002 8838	RF CHOKE.22UH
L1204	636 027 8592	COIL.INDUCTOR 100UH
L1301	636 002 8845	RF CHOKE.47UH
L1302	636 002 8845	RF CHOKE.47UH
L1311	636 028 1813	COIL.INDUCTOR 4.7UH
L1312	636 038 5993	COIL.INDUCTOR 470UH
L1313	636 003 2460	HF CHOKE.33UH
L1314	636 040 1006	COIL.INDUCTOR 330UH
L1315	636 003 2552	HF CHOKE.180UH
L1321	636 003 2460	HF CHOKE.33UH
L1322	636 027 8585	COIL.INDUCTOR 10UH
L1340	636 027 8592	COIL.INDUCTOR 100UH
L1341	636 040 1006	COIL.INDUCTOR 330UH
L1342	636 028 1844	COIL.INDUCTOR 8.2UH
L1362	636 027 8585	COIL.INDUCTOR 10UH
L1380	636 027 8592	COIL.INDUCTOR 100UH
L1381	636 027 8639	COIL.INDUCTOR 150UH
L1382	636 003 2460	HF CHOKE.33UH
L1461	636 027 8783	COIL.INDUCTOR 56UH
L1601	636 002 8852	RF CHOKE.100UH
L1604	636 027 8585	COIL.INDUCTOR 10UH
L1801	636 027 8585	COIL.INDUCTOR 10UH
L1802	636 002 8852	RF CHOKE.100UH
L1901	636 002 8821	RF CHOKE.10UH
L1902	636 002 8821	RF CHOKE.10UH

LOCATION	PARTS NO.	DESCRIPTION
L1903	636 002 8821	RF CHOKE.10UH
L3251	636 003 2484	HF CHOKE.47UH
OR	636 027 8769	COIL.INDUCTOR 47UH
L3501	636 002 8852	RF CHOKE.100UH
L3601	636 038 5894	COIL.INDUCTOR 330UH
Q1002	405 089 6002	TR FC108-TL
OR	405 060 7509	TR FMG2-T99
Q1020	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1021	405 077 2207	TR 2SA1622-6-TL
Q1022	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1023	405 091 4706	TR DTC144WU-T106
Q1024	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1025	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1026	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1028	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1060	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1071	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1073	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1074	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1075	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1077	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1091	405 077 2207	TR 2SA1622-6-TL
Q1092	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1093	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1094	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1101	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1102	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1103	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1104	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1105	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1106	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1107	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1201	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1204	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1241	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1243	405 091 4706	TR DTC144WU-T106
Q1301	405 077 2207	TR 2SA1622-6-TL
Q1302	405 077 2207	TR 2SA1622-6-TL
Q1304	405 077 3402	TR 2SC4211-6-TL

LOCATION	PARTS NO.	DESCRIPTION
Q1304	405 092 4101	TR 2SC4081-R-T106
Q1320	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1321	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1322	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1323	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1325	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1326	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1342	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1343	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1344	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1362	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1380	405 077 2207	TR 2SA1622-6-TL
Q1401	405 008 7707	TR 2SB815-B7
OR	405 008 7509	TR 2SB815-B6
Q1410	405 008 7707	TR 2SB815-B7
OR	405 008 7509	TR 2SB815-B6
Q1412	405 008 7707	TR 2SB815-B7
OR	405 008 7509	TR 2SB815-B6
Q1421	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1422	405 008 7707	TR 2SB815-B7
OR	405 008 7509	TR 2SB815-B6
Q1451	405 077 2207	TR 2SA1622-6-TL
Q1453	405 077 2207	TR 2SA1622-6-TL
Q1454	405 077 2207	TR 2SA1622-6-TL
Q1461	405 077 2207	TR 2SA1622-6-TL
Q1462	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1463	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1601	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q1602	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1604	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q1605	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1606	405 078 5801	TR 2SA1676-TL
OR	405 096 1106	TR DTA144EU-T106
Q1801	405 077 2207	TR 2SA1622-6-TL
Q1802	405 077 2207	TR 2SA1622-6-TL
Q2801	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q2831	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q2832	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3251	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q3252	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3253	405 078 6105	TR 2SA1677-TL
Q3254	405 078 6709	TR 2SC4396-TL

LOCATION	PARTS NO.	DESCRIPTION
Q3254	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q3301	405 078 6105	TR 2SA1677-TL
Q3401	405 047 8109	TR 2SB1202-S-TL
Q3402	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3451	405 078 4300	TR 2SC4398-TL
Q3452	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3453	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3501	405 078 6105	TR 2SA1677-TL
Q3502	405 078 6709	TR 2SC4396-TL
OR	405 096 2400	TR DTC144EU-T106
OR	405 102 5005	TR UN5213-TX
Q3503	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3601	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3602	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3701	405 087 9500	TR FC101-TL
OR	405 082 8706	TR IMT1-T110
Q3702	405 106 4707	TR XP4501-TX
Q3703	405 106 4707	TR XP4501-TX
R1001	401 105 0504	MT-GLAZE 1K JA 1/16W
R1002	401 105 6506	MT-GLAZE 680 JA 1/16W
R1004	401 105 3406	MT-GLAZE 27K JA 1/16W
R1006	401 105 5400	MT-GLAZE 47K JA 1/16W
R1009	401 105 0504	MT-GLAZE 1K JA 1/16W
R1010	401 105 1402	MT-GLAZE 150 JA 1/16W
R1011	401 105 6407	MT-GLAZE 68 JA 1/16W
R1012	401 105 0702	MT-GLAZE 100K JA 1/16W
R1013	401 105 5509	MT-GLAZE 470K JA 1/16W
R1014	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1015	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1018	401 105 0603	MT-GLAZE 10K JA 1/16W
R1019	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1020	401 105 0504	MT-GLAZE 1K JA 1/16W
R1021	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1022	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1023	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R1024	401 105 6506	MT-GLAZE 680 JA 1/16W
R1025	401 113 5904	MT-GLAZE 1.3K JA 1/16W
R1026	401 105 5202	MT-GLAZE 470 JA 1/16W
R1027	401 105 4106	MT-GALZE 3.3K JA 1/16W
R1028	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1031	401 105 4809	MT-GLAZE 390K JA 1/16W
R1032	401 105 4809	MT-GLAZE 390K JA 1/16W
R1033	401 105 6506	MT-GLAZE 680 JA 1/16W
R1041	401 105 5905	MT-GLAZE 560 JA 1/16W
R1042	401 105 0504	MT-GLAZE 1K JA 1/16W
R1043	401 105 6506	MT-GLAZE 680 JA 1/16W
R1044	401 105 5202	MT-GLAZE 470 JA 1/16W
R1045	401 113 6109	MT-GLAZE 2.4K JA 1/16W
R1047	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1048	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1049	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1050	401 105 5202	MT-GLAZE 470 JA 1/16W
R1052	401 166 7900	MT-FILM 820 DU 1/16W
R1053	401 166 6309	MT-FILM 180 DU 1/16W
R1054	401 105 0504	MT-GLAZE 1K JA 1/16W
R1055	401 166 8105	MT-FILM 1K DU 1/16W
R1056	401 105 1402	MT-GLAZE 150 JA 1/16W
R1057	401 105 1402	MT-GLAZE 150 JA 1/16W
R1058	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1059	401 105 2706	MT-GLAZE 220 JA 1/16W
R1060	401 105 7909	MT-GLAZE 0 ZA 1/16W

LOCATION	PARTS NO.	DESCRIPTION
R1072	401 105 0603	MT-GLAZE 10K JA 1/16W
R1073	401 105 5905	MT-GLAZE 560 JA 1/16W
R1074	401 105 4007	MT-GLAZE 330 JA 1/16W
R1075	401 105 6506	MT-GLAZE 680 JA 1/16W
R1076	401 105 3208	MT-GLAZE 270 JA 1/16W
R1078	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1079	401 105 5202	MT-GLAZE 470 JA 1/16W
R1080	401 105 5905	MT-GLAZE 560 JA 1/16W
R1081	401 105 3109	MT-GLAZE 27 JA 1/16W
R1083	401 105 2706	MT-GLAZE 220 JA 1/16W
R1084	401 105 2607	MT-GLAZE 22 JA 1/16W
R1086	401 105 5905	MT-GLAZE 560 JA 1/16W
R1087	401 105 3208	MT-GLAZE 270 JA 1/16W
R1093	401 105 0603	MT-GLAZE 10K JA 1/16W
R1094	401 105 1105	MT-GLAZE 12K JA 1/16W
R1095	401 105 1105	MT-GLAZE 12K JA 1/16W
R1096	401 105 4205	MT-GLAZE 33K JA 1/16W
R1097	401 105 5400	MT-GLAZE 47K JA 1/16W
R1098	401 105 0702	MT-GLAZE 100K JA 1/16W
R1099	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1101	401 105 6100	MT-GLAZE 560K JA 1/16W
R1105	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1106	401 105 7503	MT-GLAZE 82K JA 1/16W
R1107	401 105 0900	MT-GLAZE 120 JA 1/16W
R1109	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1110	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1111	401 105 0504	MT-GLAZE 1K JA 1/16W
R1112	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1113	401 105 4403	MT-GLAZE 39 JA 1/16W
R1114	401 105 5905	MT-GLAZE 560 JA 1/16W
R1115	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1116	401 105 7305	MT-GLAZE 820 JA 1/16W
R1117	401 105 0504	MT-GLAZE 1K JA 1/16W
R1118	401 105 0504	MT-GLAZE 1K JA 1/16W
R1119	401 105 0504	MT-GLAZE 1K JA 1/16W
R1120	401 105 5905	MT-GLAZE 560 JA 1/16W
R1121	401 105 6506	MT-GLAZE 680 JA 1/16W
R1122	401 105 5202	MT-GLAZE 470 JA 1/16W
R1123	401 113 6109	MT-GLAZE 2.4K JA 1/16W
R1124	401 105 6407	MT-GLAZE 68 JA 1/16W
R1125	401 105 3208	MT-GLAZE 270 JA 1/16W
R1126	401 105 6506	MT-GLAZE 680 JA 1/16W
R1127	401 105 2706	MT-GLAZE 220 JA 1/16W
R1128	401 105 0504	MT-GLAZE 1K JA 1/16W
R1203	401 167 2508	MT-FILM 100K DD 1/16W
R1207	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1208	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1209	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1219	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1222	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1224	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1228	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1229	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1234	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1235	401 105 2904	MT-GLAZE 22K JA 1/16W
R1241	401 105 4007	MT-GLAZE 330 JA 1/16W
R1242	401 105 0405	MT-GLAZE 100 JA 1/16W
R1243	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1244	401 105 0504	MT-GLAZE 1K JA 1/16W
R1245	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1298	401 105 0603	MT-GLAZE 10K JA 1/16W
R1299	401 105 0603	MT-GLAZE 10K JA 1/16W
R1301	401 105 5202	MT-GLAZE 470 JA 1/16W
R1304	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1305	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1306	401 105 5905	MT-GLAZE 560 JA 1/16W
R1307	401 105 4007	MT-GLAZE 330 JA 1/16W
R1311	401 105 6506	MT-GLAZE 680 JA 1/16W
R1312	401 105 2706	MT-GLAZE 220 JA 1/16W
R1320	401 105 1105	MT-GLAZE 12K JA 1/16W
R1321	401 105 0603	MT-GLAZE 10K JA 1/16W
R1322	401 105 5202	MT-GLAZE 470 JA 1/16W
R1323	401 105 3208	MT-GLAZE 270 JA 1/16W
R1325	401 105 5202	MT-GLAZE 470 JA 1/16W
R1326	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1327	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1328	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1329	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1330	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1331	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1332	401 105 5905	MT-GLAZE 560 JA 1/16W
R1333	401 105 0900	MT-GLAZE 120 JA 1/16W
R1340	401 105 5905	MT-GLAZE 560 JA 1/16W
R1341	401 105 5905	MT-GLAZE 560 JA 1/16W
R1342	401 105 1105	MT-GLAZE 12K JA 1/16W
R1347	401 105 6506	MT-GLAZE 680 JA 1/16W
R1348	401 105 6506	MT-GLAZE 680 JA 1/16W
R1349	401 105 0405	MT-GLAZE 100 JA 1/16W
R1350	401 105 5905	MT-GLAZE 560 JA 1/16W
R1351	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1352	401 166 7306	MT-FILM 470 DU 1/16W
R1353	401 166 9300	MT-FILM 3.9K DU 1/16W
R1354	401 166 2905	MT-FILM 1.5K DU 1/16W
R1355	401 166 7108	MT-FILM 390 DU 1/16W
R1356	401 166 5906	MT-FILM 120 DU 1/16W
R1357	401 105 0504	MT-GLAZE 1K JA 1/16W
R1361	401 105 0504	MT-GLAZE 1K JA 1/16W
R1362	401 105 0504	MT-GLAZE 1K JA 1/16W
R1363	401 105 4007	MT-GLAZE 330 JA 1/16W
R1364	401 105 0504	MT-GLAZE 1K JA 1/16W
R1371	401 166 8600	MT-FILM 1.8K DU 1/16W
R1372	401 166 8600	MT-FILM 1.8K DU 1/16W
R1373	401 166 7108	MT-FILM 390 DU 1/16W
R1380	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1381	401 105 6506	MT-GLAZE 680 JA 1/16W
R1382	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1383	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1384	401 105 7305	MT-GLAZE 820 JA 1/16W
R1402	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1403	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1412	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R1414	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R1421	401 105 0504	MT-GLAZE 1K JA 1/16W
R1422	401 105 2102	MT-GLAZE 18K JA 1/16W
R1423	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1424	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R1431	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1451	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1452	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1453	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1454	401 105 4106	MT-GALZE 3.3K JA 1/16W
R1455	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1456	401 105 4007	MT-GLAZE 330 JA 1/16W
R1457	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1458	401 166 3209	MT-FILM 39K DD 1/16W
R1459	401 166 9904	MT-FILM 6.8K DU 1/16W
R1460	401 167 0900	MT-FILM 18K DU 1/16W
R1461	401 105 0504	MT-GLAZE 1K JA 1/16W
R1462	401 105 0504	MT-GLAZE 1K JA 1/16W
R1463	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1464	401 105 8005	MT-GLAZE 1M JA 1/16W
R1465	401 105 0603	MT-GLAZE 10K JA 1/16W
R1466	401 105 2102	MT-GLAZE 18K JA 1/16W
R1467	401 105 1105	MT-GLAZE 12K JA 1/16W
R1468	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1469	401 105 0504	MT-GLAZE 1K JA 1/16W
R1470	401 105 4106	MT-GALZE 3.3K JA 1/16W
R1471	401 105 8005	MT-GLAZE 1M JA 1/16W

LOCATION	PARTS NO.	DESCRIPTION
R1472	401 105 0504	MT-GLAZE 1K JA 1/16W
R1481	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1486	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1490	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R1497	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1498	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1601	401 105 5202	MT-GLAZE 470 JA 1/16W
R1602	401 105 0603	MT-GLAZE 10K JA 1/16W
R1603	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1604	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R1607	401 105 0603	MT-GLAZE 10K JA 1/16W
R1609	401 105 1907	MT-GLAZE 180 JA 1/16W
R1611	401 105 0900	MT-GLAZE 120 JA 1/16W
R1612	401 105 0702	MT-GLAZE 100K JA 1/16W
R1613	401 105 2706	MT-GLAZE 220 JA 1/16W
R1614	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R1617	401 105 5400	MT-GLAZE 47K JA 1/16W
R1618	401 105 5905	MT-GLAZE 560 JA 1/16W
R1619	401 105 3406	MT-GLAZE 27K JA 1/16W
R1621	401 105 0702	MT-GLAZE 100K JA 1/16W
R1622	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1623	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1624	401 105 4205	MT-GLAZE 33K JA 1/16W
R1625	401 105 2904	MT-GLAZE 22K JA 1/16W
R1627	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1628	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R1629	401 105 0504	MT-GLAZE 1K JA 1/16W
R1633	401 105 3406	MT-GLAZE 27K JA 1/16W
R1702	401 105 7909	MT-GLAZE 0 ZA 1/16W
R1801	401 105 2607	MT-GLAZE 22 JA 1/16W
R1802	401 105 3208	MT-GLAZE 270 JA 1/16W
R1803	401 105 2706	MT-GLAZE 220 JA 1/16W
R1804	401 105 2904	MT-GLAZE 22K JA 1/16W
R1805	401 105 4205	MT-GLAZE 33K JA 1/16W
R1901	401 105 4106	MT-GALZE 3.3K JA 1/16W
R1903	401 113 8004	MT-GLAZE 36K JA 1/16W
R1904	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R1905	401 105 2904	MT-GLAZE 22K JA 1/16W
R1906	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1907	401 105 5400	MT-GLAZE 47K JA 1/16W
R1908	401 113 7106	MT-GLAZE 24K JA 1/16W
R1909	401 105 4700	MT-GLAZE 39K JA 1/16W
R1910	401 105 5400	MT-GLAZE 47K JA 1/16W
R1911	401 105 2904	MT-GLAZE 22K JA 1/16W
R1912	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R1913	401 113 8004	MT-GLAZE 36K JA 1/16W
R1914	401 105 0603	MT-GLAZE 10K JA 1/16W
R1915	401 105 0603	MT-GLAZE 10K JA 1/16W
R1916	401 105 0603	MT-GLAZE 10K JA 1/16W
R1917	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R1918	401 105 4205	MT-GLAZE 33K JA 1/16W
R1919	401 105 2201	MT-GLAZE 180K JA 1/16W
R1920	401 105 4205	MT-GLAZE 33K JA 1/16W
R1921	401 105 2201	MT-GLAZE 180K JA 1/16W
R2001	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R2002	401 105 2904	MT-GLAZE 22K JA 1/16W
R2003	401 105 2607	MT-GLAZE 22 JA 1/16W
R2005	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R2006	401 105 0702	MT-GLAZE 100K JA 1/16W
R2010	401 105 4205	MT-GLAZE 33K JA 1/16W
R2011	401 105 0603	MT-GLAZE 10K JA 1/16W
R2017	401 166 3100	MT-FILM 22K DU 1/16W
R2018	401 114 0908	MT-GLAZE 3.3M JA 1/16W
R2019	401 167 0009	MT-FILM 7.5K DU 1/16W
R2020	401 167 0306	MT-FILM 10K DU 1/16W
R2021	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R2041	401 105 0504	MT-GLAZE 1K JA 1/16W
R2801	401 166 8808	MT-FILM 2.2K DU 1/16W
R2802	401 167 2508	MT-FILM 100K DD 1/16W

LOCATION	PARTS NO.	DESCRIPTION
R2803	401 167 2508	MT-FILM 100K DD 1/16W
R2804	401 166 8808	MT-FILM 2.2K DU 1/16W
R2805	401 166 8303	MT-FILM 1.2K DU 1/16W
R2806	401 166 8105	MT-FILM 1K DU 1/16W
R2821	401 166 8808	MT-FILM 2.2K DU 1/16W
R2822	401 105 7909	MT-GLAZE 0 ZA 1/16W
R2831	401 166 3100	MT-FILM 22K DU 1/16W
R2832	401 105 3406	MT-GLAZE 27K JA 1/16W
R2833	401 166 6309	MT-FILM 180 DU 1/16W
R2834	401 105 0504	MT-GLAZE 1K JA 1/16W
R2835	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R2836	401 166 9508	MT-FILM 4.7K DU 1/16W
R2851	401 105 2706	MT-GLAZE 220 JA 1/16W
R3201	401 105 0702	MT-GLAZE 100K JA 1/16W
R3202	401 105 0702	MT-GLAZE 100K JA 1/16W
R3203	401 105 0603	MT-GLAZE 10K JA 1/16W
R3206	401 105 4106	MT-GALZE 3.3K JA 1/16W
R3207	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R3208	401 105 2904	MT-GLAZE 22K JA 1/16W
R3251	401 105 0603	MT-GLAZE 10K JA 1/16W
R3252	401 105 7909	MT-GLAZE 0 ZA 1/16W
R3253	401 105 1808	MT-GLAZE 18 JA 1/16W
R3258	401 105 4106	MT-GALZE 3.3K JA 1/16W
R3259	401 105 0504	MT-GLAZE 1K JA 1/16W
R3260	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R3261	401 105 0603	MT-GLAZE 10K JA 1/16W
R3265	401 105 1204	MT-GLAZE 120K JA 1/16W
R3266	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R3268	401 105 0603	MT-GLAZE 10K JA 1/16W
R3269	401 105 0603	MT-GLAZE 10K JA 1/16W
R3301	401 105 5202	MT-GLAZE 470 JA 1/16W
R3351	401 105 0702	MT-GLAZE 100K JA 1/16W
R3352	401 105 0504	MT-GLAZE 1K JA 1/16W
R3353	401 105 0603	MT-GLAZE 10K JA 1/16W
R3401	401 105 0504	MT-GLAZE 1K JA 1/16W
R3402	401 105 0504	MT-GLAZE 1K JA 1/16W
R3403	401 038 0602	MT-GLAZE 220 JA 1/10W
R3404	401 105 0504	MT-GLAZE 1K JA 1/16W
R3451	401 105 0702	MT-GLAZE 100K JA 1/16W
R3452	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R3453	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R3454	401 105 0702	MT-GLAZE 100K JA 1/16W
R3455	401 037 5202	MT-GLAZE 100 JA 1/10W
R3458	401 105 0603	MT-GLAZE 10K JA 1/16W
R3459	401 105 0603	MT-GLAZE 10K JA 1/16W
R3460	401 105 0702	MT-GLAZE 100K JA 1/16W
R3461	401 105 0603	MT-GLAZE 10K JA 1/16W
R3462	401 105 0702	MT-GLAZE 100K JA 1/16W
R3463	401 105 0603	MT-GLAZE 10K JA 1/16W
R3501	401 167 0306	MT-FILM 10K DU 1/16W
R3502	401 167 0306	MT-FILM 10K DU 1/16W
R3503	401 105 7909	MT-GLAZE 0 ZA 1/16W
R3504	401 105 5400	MT-GLAZE 47K JA 1/16W
R3505	401 105 0603	MT-GLAZE 10K JA 1/16W
R3506	401 105 3505	MT-GLAZE 270K JA 1/16W
R3508	401 105 0702	MT-GLAZE 100K JA 1/16W
R3510	401 105 0702	MT-GLAZE 100K JA 1/16W
R3511	401 105 0603	MT-GLAZE 10K JA 1/16W
R3512	401 105 0603	MT-GLAZE 10K JA 1/16W
R3513	401 105 0603	MT-GLAZE 10K JA 1/16W
R3514	401 105 0603	MT-GLAZE 10K JA 1/16W
R3515	401 105 0603	MT-GLAZE 10K JA 1/16W
R3516	401 105 0702	MT-GLAZE 100K JA 1/16W
R3517	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R3518	401 105 0603	MT-GLAZE 10K JA 1/16W
R3520	401 105 0603	MT-GLAZE 10K JA 1/16W
R3521	401 105 0603	MT-GLAZE 10K JA 1/16W
R3522	401 105 0603	MT-GLAZE 10K JA 1/16W
R3523	401 105 0603	MT-GLAZE 10K JA 1/16W

LOCATION	PARTS NO.	DESCRIPTION
R3524	401 105 0702	MT-GLAZE 100K JA 1/16W
R3525	401 105 1600	MT-GLAZE 15K JA 1/16W
R3526	401 105 7909	MT-GLAZE 0 ZA 1/16W
R3527	401 167 2508	MT-FILM 100K DD 1/16W
R3528	401 167 2508	MT-FILM 100K DD 1/16W
R3530	401 105 2706	MT-GLAZE 220 JA 1/16W
R3531	401 105 7909	MT-GLAZE 0 ZA 1/16W
R3534	401 105 3505	MT-GLAZE 270K JA 1/16W
R3535	401 105 0504	MT-GLAZE 1K JA 1/16W
R3536	401 105 5400	MT-GLAZE 47K JA 1/16W
R3537	401 105 5400	MT-GLAZE 47K JA 1/16W
R3538	401 105 5202	MT-GLAZE 470 JA 1/16W
R3541	401 105 0504	MT-GLAZE 1K JA 1/16W
R3542	401 105 7909	MT-GLAZE 0 ZA 1/16W
R3601	401 105 1600	MT-GLAZE 15K JA 1/16W
R3602	401 105 0603	MT-GLAZE 10K JA 1/16W
R3603	401 105 0603	MT-GLAZE 10K JA 1/16W
R3604	401 105 0603	MT-GLAZE 10K JA 1/16W
R3605	401 105 0603	MT-GLAZE 10K JA 1/16W
R3606	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R3607	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R3608	401 105 5400	MT-GLAZE 47K JA 1/16W
R3609	401 105 5400	MT-GLAZE 47K JA 1/16W
R3610	401 105 2904	MT-GLAZE 22K JA 1/16W
R3612	401 105 7909	MT-GLAZE 0 ZA 1/16W
R3613	401 105 5202	MT-GLAZE 470 JA 1/16W
R3614	401 105 5202	MT-GLAZE 470 JA 1/16W
R3615	401 105 4205	MT-GLAZE 33K JA 1/16W
R3616	401 105 1907	MT-GLAZE 180 JA 1/16W
R3617	401 105 0405	MT-GLAZE 100 JA 1/16W
R3618	401 105 4007	MT-GLAZE 330 JA 1/16W
R3619	401 105 7909	MT-GLAZE 0 ZA 1/16W
R3620	401 105 0702	MT-GLAZE 100K JA 1/16W
R3621	401 112 8005	MT-GLAZE 5.6 JA 1/16W
R3622	401 105 0603	MT-GLAZE 10K JA 1/16W
R3702	401 105 4502	MT-GLAZE 390 JA 1/16W
R3703	401 110 8601	MT-GLAZE 1 JA 1/10W
R3704	401 110 8601	MT-GLAZE 1 JA 1/10W
R3705	401 110 8601	MT-GLAZE 1 JA 1/10W
R3706	401 110 8601	MT-GLAZE 1 JA 1/10W
R3707	401 105 2904	MT-GLAZE 22K JA 1/16W
R3708	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R3709	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R3711	401 105 3406	MT-GLAZE 27K JA 1/16W
R3712	401 105 3406	MT-GLAZE 27K JA 1/16W
R3713	401 105 3406	MT-GLAZE 27K JA 1/16W
R3714	401 105 0603	MT-GLAZE 10K JA 1/16W
R3715	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R3716	401 105 4007	MT-GLAZE 330 JA 1/16W
R3801	401 105 1600	MT-GLAZE 15K JA 1/16W
R3802	401 105 0603	MT-GLAZE 10K JA 1/16W
R3803	401 105 8005	MT-GLAZE 1M JA 1/16W
R3804	401 105 8005	MT-GLAZE 1M JA 1/16W
R3805	401 105 0603	MT-GLAZE 10K JA 1/16W
R3806	401 105 0603	MT-GLAZE 10K JA 1/16W
R3807	401 105 0504	MT-GLAZE 1K JA 1/16W
RB321	636 037 5994	CIP R-NETWORK.100K OHM
OR	636 036 0259	CHIP R-NETWORK 100K OHM
RB322	636 037 5994	CIP R-NETWORK.100K OHM
OR	636 036 0259	CHIP R-NETWORK 100K OHM
RB323	636 037 5994	CIP R-NETWORK.100K OHM
OR	636 036 0259	CHIP R-NETWORK 100K OHM
RB341	636 037 5987	CIP R-NETWORK. 10K OHM
OR	636 036 0242	CHIP R-NETWORK 10K OHM
RB342	636 037 5987	CIP R-NETWORK. 10K OHM
OR	636 036 0242	CHIP R-NETWORK 10K OHM
RB351	636 037 5970	CIP R-NETWORK. 1K OHM
OR	636 039 5800	CHIP R-NETWORK. 1K OHM

LOCATION	PARTS NO.	DESCRIPTION
RB354	636 037 5970	CIP R-NETWORK. 1K OHM
OR	636 039 5800	CHIP R-NETWORK. 1K OHM
RB355	636 037 5994	CIP R-NETWORK.100K OHM
OR	636 036 0259	CHIP R-NETWORK 100K OHM
RB356	636 037 5994	CIP R-NETWORK.100K OHM
OR	636 036 0259	CHIP R-NETWORK 100K OHM
RB357	636 037 5994	CIP R-NETWORK.100K OHM
OR	636 036 0259	CHIP R-NETWORK 100K OHM
RB358	636 037 5994	CIP R-NETWORK.100K OHM
OR	636 036 0259	CHIP R-NETWORK 100K OHM
S3201	636 025 2950	SW.PUSH
S3202	636 025 2950	SW.PUSH
S3203	636 025 2950	SW.PUSH
S3204	636 025 2950	SW.PUSH
S3205	636 025 2950	SW.PUSH
S3206	636 025 2950	SW.PUSH
S3207	636 025 2950	SW.PUSH
S3208	636 035 0335	SW.SLIDE
S3209	636 030 3010	SW.SLIDE
S3210	636 040 8456	SW.PUSH
S3211	636 040 8456	SW.PUSH
S3212	636 036 0358	SW.PUSH
S3213	636 036 0358	SW.PUSH
S3214	636 036 0358	SW.PUSH
S3215	636 036 0358	SW.PUSH
T1201	636 032 0840	FILTER
T1202	636 032 0833	FILTER
VR101	636 039 8634	SVR 47K OHM
OR	636 019 8074	SVR 47K OHM
OR	645 000 0270	SVR 47K OHM
OR	636 036 2352	SVR 47K OHM
VR102	636 039 8634	SVR 47K OHM
OR	636 019 8074	SVR 47K OHM
OR	645 000 0270	SVR 47K OHM
OR	636 036 2352	SVR 47K OHM
VR103	636 039 8627	SVR 4.7K OHM
OR	636 019 8067	SVR 4.7K OHM
OR	645 000 0218	SVR 4.7K OHM
OR	636 036 2345	SVR 4.7K OHM
VR104	636 039 8627	SVR 4.7K OHM
OR	636 019 8067	SVR 4.7K OHM
OR	645 000 0218	SVR 4.7K OHM
OR	636 036 2345	SVR 4.7K OHM
VR106	636 039 8559	SVR 4.7K OHM
OR	636 019 7992	SVR 22K OHM
OR	645 000 0256	SVR 22K OHM
OR	636 036 2239	SVR 22K OHM
VR108	636 039 8535	SVR 220 OHM
OR	636 019 7978	SVR 220 OHM
OR	645 000 0133	SVR 220 OHM
OR	636 036 2215	SVR 220 OHM
VR111	636 039 8542	SVR 2.2K OHM
OR	636 019 7985	SVR 2.2K OHM
OR	645 000 0195	SVR 2.2K OHM
OR	636 036 2222	SVR 2.2K OHM
VR132	636 039 8627	SVR 4.7K OHM
OR	636 019 8067	SVR 4.7K OHM
OR	645 000 0218	SVR 4.7K OHM
OR	636 036 2345	SVR 4.7K OHM
VR201	636 019 7909	SVR 10K OHM
OR	636 039 8467	SVR 10K OHM
OR	645 000 0232	SVR 10K OHM
VR352	636 019 8074	SVR 47K OHM
OR	636 039 8634	SVR 47K OHM
OR	645 000 0270	SVR 47K OHM

LOCATION	PARTS NO.	DESCRIPTION
X1201	636 028 5743	FILTER
X1202	636 032 5548	CRYSTAL.4.433619MHZ
OR	636 037 1439	CRYSTAL.4.433619MHZ
X3501	636 040 1082	OSC CRYSTAL 11.718750MHZ
OR	636 040 1099	OSC CRYSTAL 11.718750MHZ
OR	636 040 1105	OSC CRYSTAL 11.718750MHZ
X3502	636 040 1129	OSC CRYSTAL 32.768KHZ

COMPL PCB,PM-1

COMPL.NO.	636 039 0478	
	636 039 9242	HOLDER.TERMINAL
A3001 ⚠	636 040 1068	UNIT.DC-DC CONVERTER
C3001	403 121 2302	ELECT 470U M 10V
C3002	403 206 1909	ELECT 47U M 16V
C3003	403 206 1503	ELECT 33U M 10V
C3004	403 225 1706	ELECT 100U M 16V
CN303	636 034 2736	JACK.EARPHONE
CN304	636 040 0986	JACK.DC
D3001	407 010 0707	DIODE SB05-05CP
D3002	407 010 0707	DIODE SB05-05CP
D3003	407 142 3805	ZENER DIODE MA3082WA-TX
F3001 ⚠	636 040 8463	PROTECTOR. 3.0A. 125V
OR ⚠	636 040 8470	PROTECTOR. 3.0A. 125V
L3001	636 038 3968	COIL.INDUCTOR 10UH
OR	636 027 5829	COIL.INDUCTOR 10UH
L3002	636 002 8531	LF CHOKE.200UH
L3003	636 002 8531	LF CHOKE.200UH
Q3001	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
Q3002	405 006 8904	TR 2SB1121-T-TD
Q3003	405 006 8904	TR 2SB1121-T-TD
Q3004	405 077 3402	TR 2SC4211-6-TL
OR	405 092 4101	TR 2SC4081-R-T106
R3001	401 105 5202	MT-GLAZE 470 JA 1/16W
R3002	401 105 5202	MT-GLAZE 470 JA 1/16W
R3004	401 105 5202	MT-GLAZE 470 JA 1/16W
R3005	401 105 5202	MT-GLAZE 470 JA 1/16W
R3104	401 105 5806	MT-GLAZE 56 JA 1/16W
R3105	401 105 5806	MT-GLAZE 56 JA 1/16W
S3101	636 036 0358	SW.PUSH
S3102	636 025 0543	SW.PUSH
S3103	636 030 3010	SW.SLIDE
T3001	636 027 4020	FILTER.EMI

COMPL.PCB.CA-1

COMPL.NO.	636 039 8375	
C9001	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C9002	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9020	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C9021	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9023	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9024	403 164 0204	CERAMIC 0.1U Z 25V

LOCATION	PARTS NO.	DESCRIPTION
C9024	403 176 0209	CERAMIC 0.1U Z 25V
C9025	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9026	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9028	403 157 3601	CERAMIC 100P J 50V
C9029	403 176 3200	CERAMIC 1U Z 25V
C9031	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9032	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9034	403 157 1904	CERAMIC 10P D 50V
C9036	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9037	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9038	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9039	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9070	403 153 0901	ELECT 100U M 6.3V
OR	403 175 0606	ELECT 100U M 6.3V
C9071	403 157 7609	CERAMIC 0.022U Z 25V
C9072	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9073	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9074	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9075	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9076	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9077	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9078	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9079	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9080	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9081	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9082	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9083	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9084	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9110	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C9111	403 157 7609	CERAMIC 0.022U Z 25V
C9112	403 139 7306	CERAMIC 18P J 50V
C9115	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9116	403 176 3200	CERAMIC 1U Z 25V
C9117	403 176 3200	CERAMIC 1U Z 25V
C9118	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9119	403 176 3200	CERAMIC 1U Z 25V
C9120	403 113 3805	CERAMIC 1000P K 50V
C9121	403 176 3200	CERAMIC 1U Z 25V
C9122	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9123	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9130	403 176 3200	CERAMIC 1U Z 25V
C9131	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V

LOCATION	PARTS NO.	DESCRIPTION
C9132	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9133	403 113 3805	CERAMIC 1000P K 50V
C9134	403 113 3805	CERAMIC 1000P K 50V
C9135	403 139 7702	CERAMIC 7P D 50V
C9137	403 157 3205	CERAMIC 62P J 50V
C9138	403 113 3805	CERAMIC 1000P K 50V
C9139	403 113 3805	CERAMIC 1000P K 50V
C9140	403 113 3805	CERAMIC 1000P K 50V
C9141	403 157 2901	CERAMIC 47P J 50V
C9150	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C9151	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9152	403 157 3106	CERAMIC 56P J 50V
C9153	403 113 3805	CERAMIC 1000P K 50V
C9154	403 139 7306	CERAMIC 18P J 50V
C9158	403 113 3805	CERAMIC 1000P K 50V
C9160	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C9161	403 176 3200	CERAMIC 1U Z 25V
C9162	403 192 2508	TA-SOLID 3.3U M 20V
OR	403 202 8902	TA-SOLID 3.3U M 20V
OR	403 158 8605	TA-SOLID 3.3U M 20V
C9163	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9164	403 091 4702	TA-SOLID 3.3U M 16V
OR	403 203 1506	TA-SOLID 3.3U M 16V
OR	403 091 4801	TA-SOLID 3.3U M 16V
C9165	403 113 3805	CERAMIC 1000P K 50V
C9166	403 113 3805	CERAMIC 1000P K 50V
C9171	403 167 2205	TA-SOLID 1U M 35V
OR	403 203 3708	TA-SOLID 1U M 35V
OR	403 093 0306	TA-SOLID 1U M 35V
C9172	403 167 2205	TA-SOLID 1U M 35V
OR	403 203 3708	TA-SOLID 1U M 35V
OR	403 093 0306	TA-SOLID 1U M 35V
C9173	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9174	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9175	403 167 2205	TA-SOLID 1U M 35V
OR	403 203 3708	TA-SOLID 1U M 35V
OR	403 093 0306	TA-SOLID 1U M 35V
C9191	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9192	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9193	403 192 0306	TA-SOLID 6.8U M 6.3V
OR	403 203 0509	TA-SOLID 6.8U M 6.3V
OR	403 090 2006	TA-SOLID 6.8U M 6.3V
C9194	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9195	403 153 0901	ELECT 100U M 6.3V
OR	403 175 0606	ELECT 100U M 6.3V
C9196	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9197	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9198	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9199	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9200	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9201	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9202	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V

LOCATION	PARTS NO.	DESCRIPTION
C9203	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9204	403 091 0209	TA-SOLID 1U M 16V
OR	403 203 1407	TA-SOLID 1U M 16V
OR	403 091 0407	TA-SOLID 1U M 16V
C9205	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C9206	403 192 0306	TA-SOLID 6.8U M 6.3V
OR	403 203 0509	TA-SOLID 6.8U M 6.3V
OR	403 090 2006	TA-SOLID 6.8U M 6.3V
C9207	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9208	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9209	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
CT901	636 026 4014	CAP.TRIM 30P-W
CT902	636 026 4014	CAP.TRIM 30P-W
D9021	407 134 7200	DIODE MA141K-TX
D9071	407 134 7200	DIODE MA141K-TX
D9171	407 134 7309	DIODE MA141WA-TX
D9172	407 130 2605	DIODE MA143A-TX
OR	407 141 2106	DIODE DCJ010-TL
D9173	407 134 7309	DIODE MA141WA-TX
IC911	409 245 4208	IC MSM6524GS-VKR2
IC912	409 223 9508	IC CXA1392R-T3
IC913	409 223 9607	IC CXL1508N-T3
IC914	409 223 9409	IC CXA1391R-T3
IC915	409 183 2007	IC CXD1159Q-T3
IC916	409 223 9201	IC CXD1253R-T3
OR	409 264 3503	IC CXD1253AR-T3
IC917	409 223 9300	IC CXA1390R-T3
OR	409 281 5306	IC CXA1390AR-T3
IC918	409 212 8406	IC CXD1250N-T3
L9001	636 034 9797	COIL.INDUCTOR 10UH
L9021	636 027 8608	COIL.INDUCTOR 12UH
OR	636 003 2415	HF CHOKE.12UH
L9111	636 034 9797	COIL.INDUCTOR 10UH
L9131	636 034 9797	COIL.INDUCTOR 10UH
L9151	636 028 1783	COIL.INDUCTOR 2.7UH
Q9021	405 102 5104	TR XN5501-TW
Q9022	405 102 5104	TR XN5501-TW
Q9023	405 102 5500	TR 2SB1218A-R-TX
Q9070	405 102 5500	TR 2SB1218A-R-TX
Q9071	405 102 5609	TR 2SD1819A-R-TX
Q9072	405 102 5104	TR XN5501-TW
Q9073	405 102 5500	TR 2SB1218A-R-TX
Q9074	405 117 5304	TR XN1113-(TW)
Q9111	405 102 5500	TR 2SB1218A-R-TX
Q9112	405 102 5500	TR 2SB1218A-R-TX
Q9131	405 079 6302	TR 2SC4399-5-TL
Q9160	405 079 6302	TR 2SC4399-5-TL
Q9161	405 065 5708	TR FMS1-T99
Q9162	405 102 5500	TR 2SB1218A-R-TX
Q9170	405 102 5609	TR 2SD1819A-R-TX
Q9171	405 102 5104	TR XN5501-TW
Q9190	405 078 5801	TR 2SA1676-TL
OR	405 102 3605	TR UN5113-TX
R9001	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9002	401 105 4205	MT-GLAZE 33K JA 1/16W
R9003	401 105 3406	MT-GLAZE 27K JA 1/16W
R9005	401 105 5400	MT-GLAZE 47K JA 1/16W
R9006	401 105 0504	MT-GLAZE 1K JA 1/16W
R9007	401 105 2102	MT-GLAZE 18K JA 1/16W

LOCATION	PARTS NO.	DESCRIPTION
R9008	401 105 3406	MT-GLAZE 27K JA 1/16W
R9009	401 105 3406	MT-GLAZE 27K JA 1/16W
R9010	401 105 4700	MT-GLAZE 39K JA 1/16W
R9011	401 105 3406	MT-GLAZE 27K JA 1/16W
R9012	401 105 5400	MT-GLAZE 47K JA 1/16W
R9013	401 105 5400	MT-GLAZE 47K JA 1/16W
R9020	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R9021	401 105 0702	MT-GLAZE 100K JA 1/16W
R9022	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9025	401 105 7503	MT-GLAZE 82K JA 1/16W
R9026	401 105 0603	MT-GLAZE 10K JA 1/16W
R9027	401 105 0504	MT-GLAZE 1K JA 1/16W
R9028	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R9029	401 105 1105	MT-GLAZE 12K JA 1/16W
R9030	401 113 7007	MT-GLAZE 16K JA 1/16W
R9031	401 105 8104	MT-GLAZE 56K JA 1/16W
R9032	401 105 8104	MT-GLAZE 56K JA 1/16W
R9034	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9035	401 105 5400	MT-GLAZE 47K JA 1/16W
R9036	401 105 0603	MT-GLAZE 10K JA 1/16W
R9037	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9038	401 105 2102	MT-GLAZE 18K JA 1/16W
R9039	401 105 3406	MT-GLAZE 27K JA 1/16W
R9040	401 105 0504	MT-GLAZE 1K JA 1/16W
R9041	401 105 0702	MT-GLAZE 100K JA 1/16W
R9042	401 105 0504	MT-GLAZE 1K JA 1/16W
R9043	401 105 0504	MT-GLAZE 1K JA 1/16W
R9044	401 105 4205	MT-GLAZE 33K JA 1/16W
R9045	401 105 2102	MT-GLAZE 18K JA 1/16W
R9046	401 105 0603	MT-GLAZE 10K JA 1/16W
R9047	401 105 3406	MT-GLAZE 27K JA 1/16W
R9048	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R9049	401 105 0702	MT-GLAZE 100K JA 1/16W
R9050	401 105 0603	MT-GLAZE 10K JA 1/16W
R9051	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9070	401 158 4009	MT-GLAZE 3.3 JA 1/16W
R9071	401 164 9500	MT-FILM 12K DU 1/10W
R9072	401 165 0407	MT-FILM 27K DU 1/10W
R9073	401 105 2904	MT-GLAZE 22K JA 1/16W
R9074	401 105 0603	MT-GLAZE 10K JA 1/16W
R9076	401 105 3406	MT-GLAZE 27K JA 1/16W
R9077	401 105 2102	MT-GLAZE 18K JA 1/16W
R9078	401 105 8104	MT-GLAZE 56K JA 1/16W
R9079	401 105 8104	MT-GLAZE 56K JA 1/16W
R9080	401 105 0603	MT-GLAZE 10K JA 1/16W
R9081	401 105 0603	MT-GLAZE 10K JA 1/16W
R9082	401 105 1600	MT-GLAZE 15K JA 1/16W
R9083	401 105 1105	MT-GLAZE 12K JA 1/16W
R9084	401 105 1105	MT-GLAZE 12K JA 1/16W
R9085	401 105 2102	MT-GLAZE 18K JA 1/16W
R9086	401 105 1105	MT-GLAZE 12K JA 1/16W
R9087	401 105 3406	MT-GLAZE 27K JA 1/16W
R9088	401 105 2904	MT-GLAZE 22K JA 1/16W
R9089	401 105 2904	MT-GLAZE 22K JA 1/16W
R9090	401 105 8104	MT-GLAZE 56K JA 1/16W
R9091	401 105 2102	MT-GLAZE 18K JA 1/16W
R9092	401 105 3406	MT-GLAZE 27K JA 1/16W
R9094	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9096	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R9097	401 105 4106	MT-GALZE 3.3K JA 1/16W
R9098	401 105 0603	MT-GLAZE 10K JA 1/16W
R9099	401 105 1600	MT-GLAZE 15K JA 1/16W
R9100	401 105 0603	MT-GLAZE 10K JA 1/16W
R9102	401 105 0603	MT-GLAZE 10K JA 1/16W
R9103	401 105 7305	MT-GLAZE 820 JA 1/16W
R9111	401 105 2706	MT-GLAZE 220 JA 1/16W
R9112	401 105 2706	MT-GLAZE 220 JA 1/16W
R9113	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9114	401 105 5301	MT-GLAZE 4.7K JA 1/16W

LOCATION	PARTS NO.	DESCRIPTION
R9115	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R9131	401 105 0405	MT-GLAZE 100 JA 1/16W
R9132	401 105 8005	MT-GLAZE 1M JA 1/16W
R9133	401 105 8203	MT-GLAZE 68K JA 1/16W
R9134	401 105 0603	MT-GLAZE 10K JA 1/16W
R9135	401 105 0702	MT-GLAZE 100K JA 1/16W
R9136	401 105 2706	MT-GLAZE 220 JA 1/16W
R9137	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R9138	401 105 1402	MT-GLAZE 150 JA 1/16W
R9139	401 105 0306	MT-GLAZE 10 JA 1/16W
R9140	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9141	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9143	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9146	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9150	401 148 6006	MT-GLAZE 2.2 JA 1/16W
R9151	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9152	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9153	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9154	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9155	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9156	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9157	401 105 0504	MT-GLAZE 1K JA 1/16W
R9160	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R9161	401 105 5400	MT-GLAZE 47K JA 1/16W
R9162	401 105 1600	MT-GLAZE 15K JA 1/16W
R9163	401 105 1006	MT-GLAZE 1.2K JA 1/16W
R9164	401 105 7503	MT-GLAZE 82K JA 1/16W
R9165	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9169	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R9170	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9171	401 105 0702	MT-GLAZE 100K JA 1/16W
R9172	401 105 3505	MT-GLAZE 270K JA 1/16W
R9173	401 105 8203	MT-GLAZE 68K JA 1/16W
R9174	401 105 0603	MT-GLAZE 10K JA 1/16W
R9175	401 105 8005	MT-GLAZE 1M JA 1/16W
R9176	401 105 0603	MT-GLAZE 10K JA 1/16W
R9177	401 105 2904	MT-GLAZE 22K JA 1/16W
R9179	401 105 0702	MT-GLAZE 100K JA 1/16W
R9180	401 105 0603	MT-GLAZE 10K JA 1/16W
R9181	401 105 0603	MT-GLAZE 10K JA 1/16W
R9190	401 158 4009	MT-GLAZE 3.3 JA 1/16W
R9191	401 105 0504	MT-GLAZE 1K JA 1/16W
R9192	401 105 0504	MT-GLAZE 1K JA 1/16W
R9194	401 105 0603	MT-GLAZE 10K JA 1/16W
R9195	401 105 3406	MT-GLAZE 27K JA 1/16W
R9196	401 105 2706	MT-GLAZE 220 JA 1/16W
R9197	401 105 4700	MT-GLAZE 39K JA 1/16W
R9198	401 105 2102	MT-GLAZE 18K JA 1/16W
R9199	401 105 3406	MT-GLAZE 27K JA 1/16W
R9200	401 105 4502	MT-GLAZE 390 JA 1/16W
R9201	401 105 4700	MT-GLAZE 39K JA 1/16W
OR	401 105 4700	MT-GLAZE 39K JA 1/16W
R9204	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R9205	401 105 4304	MT-GLAZE 330K JA 1/16W
R9206	401 105 1105	MT-GLAZE 12K JA 1/16W
R9207	401 105 5400	MT-GLAZE 47K JA 1/16W
R9208	401 105 4700	MT-GLAZE 39K JA 1/16W
R9209	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R9210	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9211	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9263	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9264	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9267	401 105 0504	MT-GLAZE 1K JA 1/16W
RB901	636 040 1013	CHIP R-NETWORK. 1K OHM
RB902	636 037 5970	CIP R-NETWORK. 1K OHM
OR	636 039 5800	CHIP R-NETWORK. 1K OHM
RB903	636 039 4445	CHIP R-NETWORK 10K OHM
RB904	636 037 5987	CIP R-NETWORK. 10K OHM

LOCATION	PARTS NO.	DESCRIPTION
RB904	636 036 0242	CHIP R-NETWORK 10K OHM
T9020	636 031 3187	FILTER 4MHZ
T9190	636 031 8984	FILTER 4MHZ
VC902	407 099 2906	VARACTOR DI 1SV200-11TLC
X9130	636 036 6862	CRYSTAL,17MHZ
OR	636 000 4955	CRYSTAL,17MHZ
X9150	636 040 4137	CRYSTAL,28.375MHZ
OR	636 040 4144	CRYSTAL,28.375MHZ
OR	636 040 4151	CRYSTAL,28.375MHZ

COMPL,PCB,TC-1

COMPL.NO. 636 039 8382

LOCATION	PARTS NO.	DESCRIPTION
C9301	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9302	403 192 2508	TA-SOLID 3.3U M 20V
OR	403 202 8902	TA-SOLID 3.3U M 20V
C9303	403 152 9707	ELECT 22U M 6.3V
OR	403 162 4006	ELECT 22U M 6.3V
C9304	403 068 0409	CERAMIC 0.1U Z 25V
C9305	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9306	403 167 0201	TA-SOLID 3.3U M 6.3V
OR	403 202 6908	TA-SOLID 3.3U M 6.3V
OR	403 114 5600	TA-SOLID 3.3U M 6.3V
C9307	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9308	403 113 4109	CERAMIC 2200P K 50V
C9309	403 113 4109	CERAMIC 2200P K 50V
C9310	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9311	403 169 2807	CERAMIC 330P J 50V
C9312	403 169 2807	CERAMIC 330P J 50V
C9313	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9314	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9315	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9316	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9317	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9318	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9319	403 152 9004	ELECT 47U M 6.3V
OR	403 175 4505	ELECT 47U M 6.3V
C9320	403 068 0409	CERAMIC 0.1U Z 25V
C9322	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9323	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9324	403 216 6406	TA-SOLID 6.8U M 6.3V
OR	403 167 1505	TA-SOLID 6.8U M 6.3V
C9325	403 167 0201	TA-SOLID 3.3U M 6.3V
OR	403 202 6908	TA-SOLID 3.3U M 6.3V
OR	403 114 5600	TA-SOLID 3.3U M 6.3V
C9326	403 176 0100	CERAMIC 0.01U K 25V
OR	403 155 1807	CERAMIC 0.01U K 25V
C9327	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9329	403 113 3805	CERAMIC 1000P K 50V
C9331	403 167 0003	TA-SOLID 4.7U M 4V
OR	403 202 6304	TA-SOLID 4.7U M 4V
OR	403 089 6206	TA-SOLID 4.7U M 4V
C9332	403 167 0201	TA-SOLID 3.3U M 6.3V

LOCATION	PARTS NO.	DESCRIPTION
C9332	403 202 6908	TA-SOLID 3.3U M 6.3V
OR	403 114 5600	TA-SOLID 3.3U M 6.3V
C9333	403 192 2201	TA-SOLID 15U M 16V
OR	403 202 8407	TA-SOLID 15U M 16V
C9334	403 068 0409	CERAMIC 0.1U Z 25V
C9335	403 216 6406	TA-SOLID 6.8U M 6.3V
OR	403 167 1505	TA-SOLID 6.8U M 6.3V
C9336	403 155 2200	CERAMIC 3300P K 50V
C9337	403 155 2309	CERAMIC 4700P K 50V
C9338	403 155 2309	CERAMIC 4700P K 50V
C9340	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9342	403 139 8303	TA-SOLID 4.7U M 10V
OR	403 203 1001	TA-SOLID 4.7U M 10V
C9343	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9344	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9345	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9346	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9347	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9348	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9349	403 167 0201	TA-SOLID 3.3U M 6.3V
OR	403 202 6908	TA-SOLID 3.3U M 6.3V
OR	403 114 5600	TA-SOLID 3.3U M 6.3V
C9350	403 068 0409	CERAMIC 0.1U Z 25V
C9353	403 167 0003	TA-SOLID 4.7U M 4V
OR	403 202 6304	TA-SOLID 4.7U M 4V
OR	403 089 6206	TA-SOLID 4.7U M 4V
C9354	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9359	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9361	403 157 2901	CERAMIC 47P J 50V
C9362	403 157 2901	CERAMIC 47P J 50V
C9371	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9372	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9373	403 167 0201	TA-SOLID 3.3U M 6.3V
OR	403 202 6908	TA-SOLID 3.3U M 6.3V
OR	403 114 5600	TA-SOLID 3.3U M 6.3V
C9374	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9391	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9392	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9393	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
C9394	403 164 0204	CERAMIC 0.1U Z 25V
OR	403 176 0209	CERAMIC 0.1U Z 25V
CN932	636 034 4365	CONNECTOR,20P
D9301	407 134 7200	DIODE MA141K-TX
D9302	407 134 7200	DIODE MA141K-TX
D9303	407 151 4107	DIODE MA721WA-TX
D9304	407 151 4107	DIODE MA721WA-TX
D9305	407 134 7408	DIODE MA141WK-TX
IC931	409 212 7409	IC LC97000A-376
IC932	410 150 9806	IC S87C51FB-1/R2734
IC933	409 279 7305	IC TB6504F-EL
IC934	409 279 7404	IC MC14505 3D-R2

Note : When you change the parts of IC931 make sure to order the parts with IC932.

LOCATION	PARTS NO.	DESCRIPTION
IC935	409 074 1904	IC NJM3414M-T1
IC936	409 180 1300	IC SC14S69FEL
OR	409 155 7405	IC TC4S69F(TE85L)
L9301	636 034 9797	COIL.INDUCTOR 10UH
L9302	636 035 3589	COIL.INDUCTOR 22UH
L9303	636 027 8691	COIL.INDUCTOR 220UH
L9304	636 034 9797	COIL.INDUCTOR 10UH
Q9301	405 106 4608	TR XP4401-TX
Q9302	405 106 4707	TR XP4501-TX
Q9304	405 106 4707	TR XP4501-TX
Q9305	405 106 4707	TR XP4501-TX
Q9306	405 106 4707	TR XP4501-TX
Q9308	405 102 5609	TR 2SD1819A-R-TX
Q9309	405 061 4101	TR 2SA1434
Q9311	405 106 4806	TR XP4601-TX
Q9313	405 102 5609	TR 2SD1819A-R-TX
Q9314	405 102 5005	TR UN5213-TX
Q9316	405 076 5902	TR FMA5-T99
Q9317	405 079 2007	TR FMG8-T99
Q9320	405 102 5609	TR 2SD1819A-R-TX
Q9321	405 102 5500	TR 2SB1218A-R-TX
Q9322	405 106 4806	TR XP4601-TX
Q9323	405 102 5005	TR UN5213-TX
Q9324	405 102 5609	TR 2SD1819A-R-TX
Q9331	405 106 4707	TR XP4501-TX
Q9332	405 106 4707	TR XP4501-TX
R9301	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R9302	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R9303	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R9304	401 105 8203	MT-GLAZE 68K JA 1/16W
R9305	401 105 4106	MT-GALZE 3.3K JA 1/16W
R9306	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R9307	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9308	401 105 5905	MT-GLAZE 560 JA 1/16W
R9309	401 105 5905	MT-GLAZE 560 JA 1/16W
R9311	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9312	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9313	401 105 5905	MT-GLAZE 560 JA 1/16W
R9314	401 105 5905	MT-GLAZE 560 JA 1/16W
R9315	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R9316	401 105 0504	MT-GLAZE 1K JA 1/16W
R9317	401 105 0504	MT-GLAZE 1K JA 1/16W
R9318	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R9319	401 105 5905	MT-GLAZE 560 JA 1/16W
R9320	401 105 5905	MT-GLAZE 560 JA 1/16W
R9321	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R9322	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9323	401 105 0504	MT-GLAZE 1K JA 1/16W
R9324	401 105 5202	MT-GLAZE 470 JA 1/16W
R9325	401 105 5905	MT-GLAZE 560 JA 1/16W
R9326	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9327	401 105 0504	MT-GLAZE 1K JA 1/16W
R9328	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R9329	401 105 5202	MT-GLAZE 470 JA 1/16W
R9330	401 105 4700	MT-GLAZE 39K JA 1/16W
R9331	401 105 5905	MT-GLAZE 560 JA 1/16W
R9332	401 105 4106	MT-GALZE 3.3K JA 1/16W
R9333	401 105 4106	MT-GALZE 3.3K JA 1/16W
R9334	401 105 2904	MT-GLAZE 22K JA 1/16W
R9335	401 105 2904	MT-GLAZE 22K JA 1/16W
R9336	401 105 1600	MT-GLAZE 15K JA 1/16W
R9337	401 105 2904	MT-GLAZE 22K JA 1/16W
R9338	401 105 1600	MT-GLAZE 15K JA 1/16W
R9339	401 105 2904	MT-GLAZE 22K JA 1/16W
R9340	401 105 4700	MT-GLAZE 39K JA 1/16W
R9341	401 105 3307	MT-GLAZE 2.7K JA 1/16W

LOCATION	PARTS NO.	DESCRIPTION
R9342	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R9343	401 158 4108	MT-GLAZE 4.7 JA 1/16W
R9344	401 105 3000	MT-GLAZE 220K JA 1/16W
R9345	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9347	401 105 0603	MT-GLAZE 10K JA 1/16W
R9348	401 105 0405	MT-GLAZE 100 JA 1/16W
R9349	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R9350	401 105 4106	MT-GALZE 3.3K JA 1/16W
R9351	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R9352	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R9353	401 105 0504	MT-GLAZE 1K JA 1/16W
R9354	401 105 0504	MT-GLAZE 1K JA 1/16W
R9356	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9357	401 105 2904	MT-GLAZE 22K JA 1/16W
R9360	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9361	401 105 7909	MT-GLAZE 0 ZA 1/16W
R9363	401 105 5905	MT-GLAZE 560 JA 1/16W
R9364	401 105 5400	MT-GLAZE 47K JA 1/16W
R9365	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R9366	401 105 0603	MT-GLAZE 10K JA 1/16W
R9370	401 105 5202	MT-GLAZE 470 JA 1/16W
R9371	401 038 8103	MT-GLAZE 6.8 JA 1/10W
R9372	401 038 8103	MT-GLAZE 6.8 JA 1/10W
R9373	401 167 0306	MT-FILM 10K DU 1/16W
R9374	401 166 9508	MT-FILM 4.7K DU 1/16W
R9375	401 105 0306	MT-GLAZE 10 JA 1/16W
R9376	401 105 2904	MT-GLAZE 22K JA 1/16W
R9380	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R9381	401 105 0603	MT-GLAZE 10K JA 1/16W
R9382	401 105 0504	MT-GLAZE 1K JA 1/16W
R9383	401 105 0504	MT-GLAZE 1K JA 1/16W
R9384	401 105 8104	MT-GLAZE 56K JA 1/16W
R9388	401 105 4205	MT-GLAZE 33K JA 1/16W
R9389	401 105 8203	MT-GLAZE 68K JA 1/16W
R9390	401 105 0702	MT-GLAZE 100K JA 1/16W
R9391	401 105 8203	MT-GLAZE 68K JA 1/16W
R9392	401 105 4205	MT-GLAZE 33K JA 1/16W
R9393	401 105 8203	MT-GLAZE 68K JA 1/16W
R9394	401 105 3505	MT-GLAZE 270K JA 1/16W
R9395	401 105 1204	MT-GLAZE 120K JA 1/16W
R9396	401 105 2201	MT-GLAZE 180K JA 1/16W
R9397	401 105 0702	MT-GLAZE 100K JA 1/16W
R9398	401 105 4304	MT-GLAZE 330K JA 1/16W
R9399	401 105 5400	MT-GLAZE 47K JA 1/16W
R9402	401 105 4700	MT-GLAZE 39K JA 1/16W
R9403	401 105 4700	MT-GLAZE 39K JA 1/16W
R9404	401 105 3406	MT-GLAZE 27K JA 1/16W
R9405	401 105 3406	MT-GLAZE 27K JA 1/16W
R9406	401 105 5400	MT-GLAZE 47K JA 1/16W
R9408	401 105 6704	MT-GLAZE 680K JA 1/16W
R9409	401 105 5905	MT-GLAZE 560 JA 1/16W
R9414	401 105 4601	MT-GLAZE 3.9K JA 1/16W
R9415	401 105 7503	MT-GLAZE 82K JA 1/16W
R9416	401 105 5400	MT-GLAZE 47K JA 1/16W
R9417	401 105 1600	MT-GLAZE 15K JA 1/16W
R9421	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R9422	401 105 4106	MT-GALZE 3.3K JA 1/16W
R9423	401 105 5202	MT-GLAZE 470 JA 1/16W
R9424	401 105 5905	MT-GLAZE 560 JA 1/16W
R9425	401 105 5905	MT-GLAZE 560 JA 1/16W
R9426	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9431	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R9432	401 105 4106	MT-GALZE 3.3K JA 1/16W
R9433	401 105 5202	MT-GLAZE 470 JA 1/16W
R9434	401 105 5905	MT-GLAZE 560 JA 1/16W
R9435	401 105 5905	MT-GLAZE 560 JA 1/16W
R9436	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R9441	401 105 0504	MT-GLAZE 1K JA 1/16W
R9442	401 105 0504	MT-GLAZE 1K JA 1/16W

LOCATION	PARTS NO.	DESCRIPTION
VR931	636 031 0070	VR 100K OHM
VR932	636 031 0070	VR 100K OHM

COMPL.PCB.VF-1

COMPL.NO. 636 039 9525

LOCATION	PARTS NO.	DESCRIPTION
C9703	403 091 0209	TA-SOLID 1U M 16V
OR	403 091 0407	TA-SOLID 1U M 16V
C9704	403 070 8806	CERAMIC 1500P K 50V
C9705	403 134 8100	ELECT 100U M 6.3V
C9706	403 207 0307	CERAMIC 1U Z 16V
C9707	403 065 8002	MT-POLYEST 0.1U J 63V
C9708	403 026 2902	CERAMIC 47P J 50V
C9709	403 070 2606	CERAMIC 0.1U Z 50V
C9711	403 068 0409	CERAMIC 0.1U Z 25V
C9713	403 093 4106	OS-SOLID 15U M 6.3V
C9714 ⚠	403 076 9302	CERAMIC 2200P Z 1K
C9715 ⚠	403 175 2600	CERAMIC 1000P Z 1K
C9716 ⚠	403 167 6203	CERAMIC 0.022U K 100V
C9717	403 109 6407	ELECT 10U M 50V
C9718	403 105 9501	CERAMIC 1000P J 50V
C9719	403 107 9509	ELECT 100U M 10V
C9720 ⚠	403 248 4104	POLYESTER 6800P J 100V
D9701	407 069 4909	DIODE DSB010
D9702 ⚠	407 066 8207	DIODE SB02-09CP
IC971	409 283 7100	IC BA7149F-T1
L9701 ⚠	613 015 3623	COIL.INDUCTOR 100UH
L9702	636 040 2850	COIL.LINEARITY
Q9701 ⚠	405 115 9007	TR 2SD1616-U
Q9702	405 043 8905	TR 2SA1257-65
R9701	401 037 5707	MT-GLAZE 100K JA 1/10W
R9702	401 038 5409	MT-GLAZE 390K JA 1/10W
R9703	401 037 5608	MT-GLAZE 10K JA 1/10W
R9704	401 038 1807	MT-GLAZE 27 JA 1/10W
R9707	401 037 9309	MT-GLAZE 18K JA 1/10W
R9708	401 090 2002	MT-GLAZE 3.9 JA 1/10W
R9711	401 089 2907	MT-GLAZE 4.7K GA 1/10W
R9712	401 147 4003	MT-GLAZE 22K GA 1/10W
R9713	401 038 3900	MT-GLAZE 3.3M JA 1/10W
R9714	401 038 3504	MT-GLAZE 330 JA 1/10W
R9716	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9717	401 038 3900	MT-GLAZE 3.3M JA 1/10W
R9718	401 038 3900	MT-GLAZE 3.3M JA 1/10W
R9719	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9720	401 037 6902	MT-GLAZE 120K JA 1/10W
R9721	401 037 8203	MT-GLAZE 1.5M JA 1/10W
R9722	401 037 5400	MT-GLAZE 1K JA 1/10W
R9723	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R9751	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9752	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9753	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9754	401 035 4108	MT-GLAZE 0 ZA 1/8W
R9755	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9756	401 035 4108	MT-GLAZE 0 ZA 1/8W
R9757	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9758	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9759	401 037 5004	MT-GLAZE 0 ZA 1/10W
R9760	401 035 4108	MT-GLAZE 0 ZA 1/8W
T9701 ⚠	636 040 2836	TRANS.FLYBACK
VR971	636 040 1891	VR.SEMI 50K OHM
VR972	636 040 1907	VR.SEMI 200K OHM
VR974	636 040 2867	VR.SEMI 5.6M OHM

LOCATION	PARTS NO.	DESCRIPTION
VR975	636 040 2874	VR.SEMI 2.2M OHM